

POMALYST- pomalidomide capsule

Celgene Corporation

HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use POMALYST safely and effectively. See full prescribing information for POMALYST.

POMALYST® (pomalidomide) capsules, for oral use
Initial U.S. Approval: 2013

WARNING: EMBRYO-FETAL TOXICITY and VENOUS AND ARTERIAL THROMBOEMBOLISM

See full prescribing information for complete boxed warning

EMBRYO-FETAL TOXICITY

- POMALYST is contraindicated in pregnancy. POMALYST is a thalidomide analogue. Thalidomide is a known human teratogen that causes severe life-threatening birth defects (4, 5.1, 8.1).
- For females of reproductive potential: Exclude pregnancy before start of treatment. Prevent pregnancy during treatment by the use of 2 reliable methods of contraception (5.1, 8.3).

POMALYST is available only through a restricted program called POMALYST REMS® (5.2).

VENOUS AND ARTERIAL THROMBOEMBOLISM

- Deep venous thrombosis (DVT), pulmonary embolism (PE), myocardial infarction, and stroke occur in patients with multiple myeloma treated with POMALYST. Antithrombotic prophylaxis is recommended (5.3).

RECENT MAJOR CHANGES

Indications and Usage, Kaposi Sarcoma (1.2)	05/2020
Dosage and Administration (2)	05/2020
Contraindications, Hypersensitivity (4.2)	10/2019
Warnings and Precautions (5.5)	05/2020
Warnings and Precautions (5.7, 5.12)	10/2019

INDICATIONS AND USAGE

POMALYST is a thalidomide analogue indicated, for the treatment of adult patients:

- in combination with dexamethasone, for patients with multiple myeloma (MM) who have received at least two prior therapies including lenalidomide and a proteasome inhibitor and have demonstrated disease progression on or within 60 days of completion of the last therapy (1.1).
- with AIDS-related Kaposi sarcoma (KS) after failure of highly active antiretroviral therapy (HAART) or in patients with KS who are HIV-negative. This indication is approved under accelerated approval based on overall response rate. Continued approval for this indication may be contingent upon verification and description of clinical benefit in a confirmatory trial(s) (1.2).

DOSAGE AND ADMINISTRATION

- MM: 4 mg per day taken orally on Days 1 through 21 of repeated 28-day cycles until disease progression (2.2). Refer to section 14.1 for dexamethasone dosing (14.1)
- KS: 5 mg per day taken orally on Days 1 through 21 of repeated 28-day cycles until disease progression or unacceptable toxicity (2.3).
- Modify the dosage for certain patients with renal impairment (2.7, 8.6) or hepatic impairment (2.8, 8.7)

DOSAGE FORMS AND STRENGTHS

Capsules: 1 mg, 2 mg, 3 mg, and 4 mg (3)

CONTRAINDICATIONS

- Pregnancy (4.1)
- Hypersensitivity (4.2)

WARNINGS AND PRECAUTIONS

- Increased Mortality: Observed in patients with MM when pembrolizumab was added to dexamethasone and a thalidomide analogue (5.4).

- Hematologic Toxicity: Neutropenia was the most frequently reported Grade 3/4 adverse event. Monitor patients for hematologic toxicities, especially neutropenia (5.5).
- Hepatotoxicity: Hepatic failure including fatalities; monitor liver function tests monthly (5.6).
- Severe Cutaneous Reactions: Discontinue POMALYST for severe reactions (5.7).
- Tumor Lysis Syndrome (TLS): Monitor patients at risk of TLS (i.e., those with high tumor burden) and take appropriate precautions (5.11).
- Hypersensitivity: Monitor patients for potential hypersensitivity. Discontinue POMALYST for angioedema and anaphylaxis (5.12).

----- ADVERSE REACTIONS -----

- MM: Most common adverse reactions ($\geq 30\%$) included fatigue and asthenia, neutropenia, anemia, constipation, nausea, diarrhea, dyspnea, upper-respiratory tract infections, back pain, and pyrexia (6.1).
- KS: Most common adverse reactions including laboratory abnormalities ($\geq 30\%$) are decreased absolute neutrophil count or white blood cells, elevated creatinine or glucose, rash, constipation, fatigue, decreased hemoglobin, platelets, phosphate, albumin, or calcium, increased ALT, nausea, and diarrhea (6.1).

To report SUSPECTED ADVERSE REACTIONS, contact Celgene Corporation at 1-888-423-5436 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

----- DRUG INTERACTIONS -----

Strong CYP1A2 Inhibitors: Avoid concomitant use of strong CYP1A2 inhibitors. If concomitant use of a strong CYP1A2 inhibitor is unavoidable, reduce POMALYST dose to 2 mg (2.6, 7.1, 12.3).

----- USE IN SPECIFIC POPULATIONS -----

- Lactation: Advise women not to breastfeed (8.2).

See 17 for PATIENT COUNSELING INFORMATION and Medication Guide.

Revised: 5/2020

FULL PRESCRIBING INFORMATION: CONTENTS*

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FULL PRESCRIBING INFORMATION

WARNING: EMBRYO-FETAL TOXICITY and VENOUS AND ARTERIAL THROMBOEMBOLISM

Embryo-Fetal Toxicity

- **POMALYST is contraindicated in pregnancy. POMALYST is a thalidomide analogue. Thalidomide is a known human teratogen that causes severe birth defects or embryo-fetal death. In females of reproductive potential, obtain 2 negative pregnancy tests before starting POMALYST treatment.**
- **Females of reproductive potential must use 2 forms of contraception or continuously abstain from heterosexual sex during and for 4 weeks after stopping POMALYST treatment [see Contraindications (4), Warnings and Precautions (5.1) and Use in Specific Populations (8.1, 8.3)].**

POMALYST is only available through a restricted distribution program called POMALYST REMS [see Warnings and Precautions (5.2)].

Venous and Arterial Thromboembolism

- **Deep venous thrombosis (DVT), pulmonary embolism (PE), myocardial infarction, and stroke occur in patients with multiple myeloma treated with POMALYST. Prophylactic antithrombotic measures were employed in clinical trials. Thromboprophylaxis is recommended, and the choice of regimen should be based on assessment of the patient's underlying risk factors [see Warnings and Precautions (5.3)].**

1 INDICATIONS AND USAGE

1.1 Multiple Myeloma

POMALYST, in combination with dexamethasone, is indicated for adult patients with multiple myeloma (MM) who have received at least two prior therapies including lenalidomide and a proteasome inhibitor and have demonstrated disease progression on or within 60 days of completion of the last therapy.

1.2 Kaposi Sarcoma

POMALYST is indicated for the treatment of:

- Adult patients with AIDS-related Kaposi sarcoma (KS) after failure of highly active antiretroviral therapy (HAART).
- Kaposi sarcoma (KS) in adult patients who are HIV-negative.

This indication is approved under accelerated approval based on overall response rate [see Clinical Studies (14.2)]. Continued approval for this indication may be contingent upon verification and description of clinical benefit in a confirmatory trial(s).

2 DOSAGE AND ADMINISTRATION

2.1 Pregnancy Testing Prior to Administration

Females of reproductive potential must have negative pregnancy testing and use contraception methods before initiating POMALYST [see Warnings and Precautions (5.1) and Use in Specific Populations (8.1, 8.3)].

2.2 Recommended Dosage for Multiple Myeloma

The recommended dosage of POMALYST is 4 mg once daily orally with or without food on Days 1 through 21 of each 28-day cycle until disease progression. Give POMALYST in combination with dexamethasone [see Clinical Studies (14.1)].

2.3 Recommended Dosage for Kaposi Sarcoma

The recommended dosage of POMALYST is 5 mg once daily taken orally with or without food on Days 1 through 21 of each 28-day cycle until disease progression or unacceptable toxicity. Continue HAART as HIV treatment in patients with AIDS-related Kaposi sarcoma (KS) [see *Clinical Studies* (14.2)].

2.4 Dosage Modifications for Hematologic Adverse Reactions

Multiple Myeloma: Dosage Modifications for Hematologic Adverse Reactions

Initiate a new cycle of POMALYST in patients with multiple myeloma (MM) when the neutrophil count is at least 500 per mcL and the platelet count is at least 50,000 per mcL.

Dosage modification for POMALYST for hematologic adverse reactions in patients with MM are summarized in Table 1.

Table 1: Dosage Modifications for POMALYST for Hematologic in MM

Adverse Reaction	Severity	Dosage Modification
Neutropenia [see <i>Warnings and Precautions</i> (5.5)]	<ul style="list-style-type: none">ANC less than 500 per mcL or febrile neutropenia (fever greater than or equal to 38.5°C and ANC less than 1,000 per mcL)	<ul style="list-style-type: none">Withhold POMALYST until ANC is greater than or equal to 500 per mcL; follow CBC weekly.Resume POMALYST dose at 1 mg less than the previous dose.*
	<ul style="list-style-type: none">For each subsequent drop of ANC less than 500 per mcL	<ul style="list-style-type: none">Withhold POMALYST until ANC is greater than or equal to 500 mcL.Resume POMALYST dose at 1 mg less than the previous dose.*
Thrombocytopenia [see <i>Warnings and Precautions</i> (5.5)]	<ul style="list-style-type: none">Platelets less than 25,000 per mcL	<ul style="list-style-type: none">Withhold POMALYST until platelets are greater than or equal to 50,000 per mcL; follow CBC weekly.Resume POMALYST dose at 1 mg less than the previous dose*
	<ul style="list-style-type: none">For each subsequent drop of platelets less than 25,000 per mcL	<ul style="list-style-type: none">Withhold POMALYST until platelets are greater than or equal to 50,000 per mcL.Resume POMALYST at 1 mg less than the previous dose*

ANC= absolute neutrophil count

* Permanently discontinue POMALYST if unable to tolerate 1 mg once daily.

Kaposi Sarcoma: Dosage Modifications for Hematologic Adverse Reactions

Initiate a new cycle of POMALYST in patients with KS when the neutrophil count is at least 1000 per mcL and the platelet count is at least 75,000 per mcL.

Dose modifications for POMALYST for hematologic adverse reactions in patients with KS are

summarized in Table 2.

Table 2: Dosage Modifications for POMALYST for Hematologic Adverse Reactions in KS

Adverse Reaction	Severity	Dosage Modification
Neutropenia [see Warnings and Precautions (5.5)]	ANC 500 to less than 1,000 per mcL	<u>Day 1 of cycle</u> <ul style="list-style-type: none"> Withhold POMALYST until ANC is greater than or equal to 1,000 per mcL. Resume POMALYST at the same dose. <u>During cycle</u> <ul style="list-style-type: none"> Continue POMALYST at the current dose.
	ANC less than 500 per mcL	<ul style="list-style-type: none"> Withhold POMALYST until ANC is greater than or equal to 1,000 per mcL. Resume POMALYST at the same dose.
Febrile Neutropenia [see Warnings and Precautions (5.5)]	ANC less than 1,000 per mcL and single temperature greater than or equal to 38.3°C or ANC less than 1,000 per mcL and sustained temperature greater than or equal to 38°C for more than 1 hour	<ul style="list-style-type: none"> Withhold POMALYST until ANC is greater than or equal to 1,000 per mcL. Resume POMALYST at dose 1 mg less than the previous dose.*
Thrombocytopenia [see Warnings and Precautions (5.5)]	Platelet count 25,000 to less than 50,000 per mcL	<u>Day 1 of cycle</u> <ul style="list-style-type: none"> Withhold POMALYST until platelet count is greater than or equal to 50,000 per mcL. Resume POMALYST at the same dose. <u>During cycle:</u> <ul style="list-style-type: none"> Continue POMALYST at the current dose.
	Platelet count less than 25,000 per mcL	Permanently discontinue POMALYST.

ANC= absolute neutrophil count

* Permanently discontinue POMALYST if unable to tolerate 1mg once daily.

2.5 Dosage Modifications for Non-Hematologic Adverse Reactions

Permanently discontinue POMALYST for angioedema, anaphylaxis, Grade 4 rash, skin exfoliation, bullae, or any other severe dermatologic reaction [See Warnings and Precautions (5.7, 5.12)].

For other Grade 3 or 4 toxicities, hold treatment and restart treatment at 1 mg less than the previous dose when toxicity has resolved to less than or equal to Grade 2 at the physician's discretion.

2.6 Dosage Modifications for Strong CYP1A2 Inhibitors

Avoid concomitant use of POMALYST with strong CYP1A2 inhibitors. If concomitant use of a strong CYP1A2 inhibitor is unavoidable, reduce POMALYST dose to 2 mg [see *Drug Interactions (7.1)* and *Clinical Pharmacology (12.3)*].

2.7 Dosage Modification for Severe Renal Impairment on Hemodialysis

Take POMALYST after completion of dialysis procedure on hemodialysis days [see *Use in Specific Populations (8.6)* and *Clinical Pharmacology (12.3)*].

- For patients with MM with severe renal impairment requiring dialysis, reduce the recommended dosage to 3 mg orally daily.
- For patients with KS with severe renal impairment requiring dialysis, reduce the recommended dosage to 4 mg orally daily.

2.8 Dosage Modification for Hepatic Impairment

Multiple Myeloma

For patients with MM with mild or moderate hepatic impairment (Child-Pugh A or B), reduce the recommended dosage to 3 mg orally daily.

For patients with MM with severe hepatic impairment (Child-Pugh C), reduce the recommended dosage to 2 mg [see *Use in Specific Populations (8.7)* and *Clinical Pharmacology (12.3)*].

Kaposi Sarcoma

For patients with KS with mild, moderate, or severe hepatic impairment (Child-Pugh A, B, or C), reduce the recommended dosage to 3 mg orally daily [see *Use in Specific Populations (8.7)* and *Clinical Pharmacology (12.3)*].

2.9 Administration

Swallow capsules whole with water. Do not break, chew, or open the capsules.

POMALYST may be taken with or without food.

3 DOSAGE FORMS AND STRENGTHS

- Capsules: 1 mg, dark blue opaque cap and yellow opaque body, imprinted "POML" on the cap in white ink and "1 mg" on the body in black ink
- 2 mg, dark blue opaque cap and orange opaque body, imprinted "POML" on the cap and "2 mg" on the body in white ink
- 3 mg, dark blue opaque cap and green opaque body, imprinted "POML" on the cap and "3 mg" on the body in white ink
- 4 mg, dark blue opaque cap and blue opaque body, imprinted "POML" on the cap and "4 mg" on the body in white ink

4 CONTRAINDICATIONS

4.1 Pregnancy

POMALYST is contraindicated in females who are pregnant. POMALYST can cause fetal harm when administered to a pregnant female [see *Warnings and Precautions (5.1)* and *Use in Specific Populations (8.1)*]. Pomalidomide is a thalidomide analogue and is teratogenic in both rats and rabbits when

administered during the period of organogenesis. If the patient becomes pregnant while taking this drug, the patient should be apprised of the potential risk to a fetus.

4.2 Hypersensitivity

POMALYST is contraindicated in patients who have demonstrated severe hypersensitivity (e.g., angioedema, anaphylaxis) to pomalidomide or any of the excipients [see *Warnings and Precautions* (5.7), *Description* (11)].

5 WARNINGS AND PRECAUTIONS

5.1 Embryo-Fetal Toxicity

POMALYST is a thalidomide analogue and is contraindicated for use during pregnancy. Thalidomide is a known human teratogen that causes severe birth defects or embryo-fetal death [see *Use in Specific Populations* (8.1)]. POMALYST is only available through the POMALYST REMS program [see *Warnings and Precautions* (5.2)].

Females of Reproductive Potential

Females of reproductive potential must avoid pregnancy for at least 4 weeks before beginning POMALYST therapy, during therapy, during dose interruptions and for at least 4 weeks after completing therapy.

Females must commit either to abstain continuously from heterosexual sexual intercourse or to use 2 methods of reliable birth control, beginning 4 weeks prior to initiating treatment with POMALYST, during therapy, during dose interruptions, and continuing for 4 weeks following discontinuation of POMALYST therapy.

Two negative pregnancy tests must be obtained prior to initiating therapy. The first test should be performed within 10-14 days and the second test within 24 hours prior to prescribing POMALYST therapy and then weekly during the first month, then monthly thereafter in females with regular menstrual cycles, or every 2 weeks in females with irregular menstrual cycles [see *Use in Specific Populations* (8.3)].

Males

Pomalidomide is present in the semen of patients receiving the drug. Therefore, males must always use a latex or synthetic condom during any sexual contact with females of reproductive potential while taking POMALYST and for up to 4 weeks after discontinuing POMALYST, even if they have undergone a successful vasectomy. Male patients taking POMALYST must not donate sperm [see *Use in Specific Populations* (8.3)].

Blood Donation

Patients must not donate blood during treatment with POMALYST and for 4 weeks following discontinuation of the drug because the blood might be given to a pregnant female patient whose fetus must not be exposed to POMALYST.

5.2 POMALYST REMS Program

Because of the embryo-fetal risk [see *Warnings and Precautions* (5.1)], POMALYST is available only through a restricted program under a Risk Evaluation and Mitigation Strategy (REMS), the "**POMALYST REMS**" program.

Required components of the **POMALYST REMS** program include the following:

- Prescribers must be certified with the **POMALYST REMS** program by enrolling and complying with the REMS requirements.
- Patients must sign a Patient-Physician Agreement Form and comply with the REMS requirements. In

particular, female patients of reproductive potential who are not pregnant must comply with the pregnancy testing and contraception requirements [see *Use in Specific Populations* (8.3)] and males must comply with contraception requirements [see *Use in Specific Populations* (8.3)].

- Pharmacies must be certified with the **POMALYST REMS** program, must only dispense to patients who are authorized to receive POMALYST and comply with REMS requirements.

Further information about the **POMALYST REMS** program is available at www.celgeneriskmanagement.com or by telephone at 1-888-423-5436.

5.3 Venous and Arterial Thromboembolism

Venous thromboembolic events (deep venous thrombosis and pulmonary embolism) and arterial thromboembolic events (myocardial infarction and stroke) have been observed in patients treated with POMALYST. In Trial 2, where anticoagulant therapies were mandated, thromboembolic events occurred in 8.0% of patients treated with POMALYST and low dose-dexamethasone (Low-dose Dex), and 3.3% of patients treated with high-dose dexamethasone. Venous thromboembolic events (VTE) occurred in 4.7% of patients treated with POMALYST and Low-dose Dex, and 1.3% of patients treated with high-dose dexamethasone. Arterial thromboembolic events include terms for arterial thromboembolic events, ischemic cerebrovascular conditions, and ischemic heart disease. Arterial thromboembolic events occurred in 3.0% of patients treated with POMALYST and Low-dose Dex, and 1.3% of patients treated with high-dose dexamethasone.

Patients with known risk factors, including prior thrombosis, may be at greater risk, and actions should be taken to try to minimize all modifiable factors (e.g., hyperlipidemia, hypertension, smoking). Thromboprophylaxis is recommended, and the choice of regimen should be based on assessment of the patient's underlying risk factors.

5.4 Increased Mortality in Patients with Multiple Myeloma When Pembrolizumab Is Added to a Thalidomide Analogue and Dexamethasone

In two randomized clinical trials in patients with MM, the addition of pembrolizumab to a thalidomide analogue plus dexamethasone, a use for which no PD-1 or PD-L1 blocking antibody is indicated, resulted in increased mortality. Treatment of patients with MM with a PD-1 or PD-L1 blocking antibody in combination with a thalidomide analogue plus dexamethasone is not recommended outside of controlled clinical trials.

5.5 Hematologic Toxicity

Multiple Myeloma

In trials 1 and 2 in patients who received POMALYST + Low-dose Dex, neutropenia was the most frequently reported Grade 3 or 4 adverse reaction, followed by anemia and thrombocytopenia. Neutropenia of any grade was reported in 51% of patients in both trials. The rate of Grade 3 or 4 neutropenia was 46%. The rate of febrile neutropenia was 8%.

Monitor patients for hematologic toxicities, especially neutropenia. Monitor complete blood counts weekly for the first 8 weeks and monthly thereafter. Patients may require dose interruption and/or modification [see *Dosage and Administration* (2.4)].

Kaposi Sarcoma

In Trial 12-C-0047, hematologic toxicities were the most common (all grades and Grade 3 or 4) adverse reactions [see *Adverse Reactions* (6.1)]. Fifty percent of patients had Grade 3 or 4 neutropenia. Monitor patients for hematologic toxicities, especially decreased neutrophils. Monitor complete blood counts every 2 weeks for the first 12 weeks and monthly thereafter. Withhold, reduce the dose, or permanently discontinue POMALYST based on the severity of the reaction [see *Dosage and Administration* (2.4)].

5.6 Hepatotoxicity

Hepatic failure, including fatal cases, has occurred in patients treated with POMALYST. Elevated levels of alanine aminotransferase and bilirubin have also been observed in patients treated with POMALYST. Monitor liver function tests monthly. Stop POMALYST upon elevation of liver enzymes and evaluate. After return to baseline values, treatment at a lower dose may be considered.

5.7 Severe Cutaneous Reactions

Severe cutaneous reactions including Stevens-Johnson syndrome (SJS), toxic epidermal necrolysis (TEN), and drug reaction with eosinophilia and systemic symptoms (DRESS) have been reported. DRESS may present with a cutaneous reaction (such as rash or exfoliative dermatitis), eosinophilia, fever, and/or lymphadenopathy with systemic complications such as hepatitis, nephritis, pneumonitis, myocarditis, and/or pericarditis. These reactions can be fatal. Consider POMALYST interruption or discontinuation for Grade 2 or 3 skin rash. Permanently discontinue POMALYST for Grade 4 rash, exfoliative or bullous rash, or for other severe cutaneous reactions such as SJS, TEN or DRESS [see *Dosage and Administration* (2.5)].

5.8 Dizziness and Confusional State

In trials 1 and 2 in patients who received POMALYST + Low-dose Dex, 14% of patients experienced dizziness and 7% of patients experienced a confusional state; 1% of patients experienced Grade 3 or 4 dizziness, and 3% of patients experienced Grade 3 or 4 confusional state. Instruct patients to avoid situations where dizziness or confusional state may be a problem and not to take other medications that may cause dizziness or confusional state without adequate medical advice.

5.9 Neuropathy

In trials 1 and 2 in patients who received POMALYST + Low-dose Dex, 18% of patients experienced neuropathy, with approximately 12% of the patients experiencing peripheral neuropathy. Two percent of patients experienced Grade 3 neuropathy in trial 2. There were no cases of Grade 4 neuropathy adverse reactions reported in either trial.

5.10 Risk of Second Primary Malignancies

Cases of acute myelogenous leukemia have been reported in patients receiving POMALYST as an investigational therapy outside of MM.

5.11 Tumor Lysis Syndrome

Tumor lysis syndrome (TLS) may occur in patients treated with POMALYST. Patients at risk for TLS are those with high tumor burden prior to treatment. These patients should be monitored closely and appropriate precautions taken.

5.12 Hypersensitivity

Hypersensitivity, including angioedema, anaphylaxis, and anaphylactic reactions to POMALYST have been reported. Permanently discontinue POMALYST for angioedema or anaphylaxis [see *Dosage and Administration* (2.5)].

6 ADVERSE REACTIONS

The following clinically significant adverse reactions are described in detail in other labeling sections:

- Embryo-Fetal Toxicity [see *Warnings and Precautions* (5.1, 5.2)]
- Venous and Arterial Thromboembolism [see *Warnings and Precautions* (5.3)]
- Increased Mortality in Patients with Multiple Myeloma When Pembrolizumab Is Added to a Thalidomide Analogue and Dexamethasone [see *Warnings and Precautions* (5.4)]

- Hematologic Toxicity [see Warnings and Precautions (5.5)]
- Hepatotoxicity [see Warnings and Precautions (5.6)]
- Severe Cutaneous Reactions [see Warnings and Precautions (5.7)]
- Dizziness and Confusional State [see Warnings and Precautions (5.8)]
- Neuropathy [see Warnings and Precautions (5.9)]
- Risk of Second Primary Malignancies [see Warnings and Precautions (5.10)]
- Tumor Lysis Syndrome [see Warnings and Precautions (5.11)]
- Hypersensitivity [see Warnings and Precautions (5.12)]

6.1 Clinical Trials Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

Multiple Myeloma (MM)

In Trial 1, data were evaluated from 219 patients (safety population) who received treatment with POMALYST + Low-dose Dex (112 patients) or POMALYST alone (107 patients). Median number of treatment cycles was 5. Sixty-seven percent of patients in the study had a dose interruption of either drug due to adverse reactions. Forty-two percent of patients in the study had a dose reduction of either drug due to adverse reactions. The discontinuation rate due to adverse reactions was 11%.

In Trial 2, data were evaluated from 450 patients (safety population) who received treatment with POMALYST + Low-dose Dex (300 patients) or High-dose Dexamethasone (High-dose Dex) (150 patients). The median number of treatment cycles for the POMALYST + Low-dose Dex arm was 5. In the POMALYST + Low-dose Dex arm, 67% of patients had a dose interruption of POMALYST, the median time to the first dose interruption of POMALYST was 4.1 weeks. Twenty-seven percent of patients had a dose reduction of POMALYST, the median time to the first dose reduction of POMALYST was 4.5 weeks. Eight percent of patients discontinued POMALYST due to adverse reactions.

Tables 3 and 4 summarize the adverse reactions reported in Trials 1 and 2, respectively.

Table 3: Adverse Reactions in Any POMALYST Treatment Arm in Trial 1*

	All Adverse Reactions ≥10 % in Either Arm		Grade 3 or 4 ≥5% in Either Arm	
Body System Adverse Reaction	POMALYST[†] (N=107)	POMALYST + Low-dose Dex (N=112)	POMALYST (N=107)	POMALYST + Low-dose Dex (N=112)
Number (%) of patients with at least one adverse reaction	107 (100)	112 (100)	98 (92)	102 (91)
Blood and lymphatic system disorders				
Neutropenia [‡]	57 (53)	55 (49)	51 (48)	46 (41)
Anemia [‡]	41 (38)	47 (42)	25 (23)	24 (21)
Thrombocytopenia [‡]	28 (26)	26 (23)	24 (22)	21 (19)
Leukopenia	14 (13)	22 (20)	7 (7)	11 (10)
Febrile neutropenia [‡]	<10%	<10%	6 (6)	3 (3)
Lymphopenia	4 (4)	17 (15)	2 (2)	8 (7)
General disorders and administration site conditions				

Fatigue and asthenia ‡	62 (58)	70 (63)	13 (12)	19 (17)
Edema peripheral	27 (25)	19 (17)	0 (0.0)	0 (0.0)
Pyrexia ‡	25 (23)	36 (32)	<5%	<5%
Chills	11 (10)	14 (13)	0 (0.0)	0 (0.0)
Gastrointestinal disorders				
Nausea‡	39 (36)	27 (24)	<5%	<5%
Constipation ‡	38 (36)	41 (37)	<5%	<5%
Diarrhea	37 (35)	40 (36)	<5%	<5%
Vomiting ‡	15 (14)	16 (14)	<5%	0 (0.0)
Musculoskeletal and connective tissue disorders				
Back pain ‡	37 (35)	36 (32)	15 (14)	11 (10)
Musculoskeletal chest pain	25 (23)	22 (20)	<5%	0 (0.0)
Muscle spasms	23 (21)	22 (20)	<5%	<5%
Arthralgia	18 (17)	17 (15)	<5%	<5%
Muscular weakness	15 (14)	15 (13)	6 (6)	4 (4)
Bone pain	13 (12)	8 (7)	<5%	<5%
Musculoskeletal pain	13 (12)	19 (17)	<5%	<5%
Pain in extremity	8 (7)	16 (14)	0 (0.0)	<5%
Infections and infestations				
Upper respiratory tract infection	40 (37)	32 (29)	<5%	<5%
Pneumonia ‡	30 (28)	38 (34)	21 (20)	32 (29)
Urinary tract infection ‡	11 (10)	19 (17)	2 (2)	10 (9)
Sepsis ‡	<10%	<10%	6 (6)	5 (4)
Metabolism and nutrition disorders				
Decreased appetite	25 (23)	21 (19)	<5%	0 (0.0)
Hypercalcemia ‡	23 (21)	13 (12)	11 (10)	1 (<1)
Hypokalemia	13 (12)	13 (12)	<5%	<5%
Hyperglycemia	12 (11)	17 (15)	<5%	<5%
Hyponatremia	12 (11)	14 (13)	<5%	<5%
Dehydration ‡	<10%	<10%	5 (4.7)	6 (5.4)
Hypocalcemia	6 (6)	13 (12)	0 (0.0)	<5%
Respiratory, thoracic and mediastinal disorders				
Dyspnea ‡	38 (36)	50 (45)	8 (7)	14 (13)
Cough	18 (17)	25 (22)	0 (0.0)	0 (0.0)
Epistaxis	18 (17)	12 (11)	<5%	0 (0.0)
Productive cough	10 (9)	14 (13)	0 (0.0)	0 (0.0)
Oropharyngeal pain	6 (6)	12 (11)	0 (0.0)	0 (0.0)
Nervous system disorders				
Dizziness	24 (22)	20 (18)	<5%	<5%
Peripheral	22 (21)	20 (18)	0 (0.0)	0 (0.0)

neuropathy	23 (21)	20 (18)	0 (0.0)	0 (0.0)
Headache	16 (15)	15 (13)	0 (0.0)	<5%
Tremor	11 (10)	15 (13)	0 (0.0)	0 (0.0)
Skin and subcutaneous tissue disorders				
Rash	22 (21)	18 (16)	0 (0.0)	<5%
Pruritus	16 (15)	10 (9)	0 (0.0)	0 (0.0)
Dry skin	10 (9)	12 (11)	0 (0.0)	0 (0.0)
Hyperhidrosis	8 (7)	18 (16)	0 (0.0)	0 (0.0)
Night sweats	5 (5)	14 (13)	0 (0.0)	0 (0.0)
Investigations				
Blood creatinine increased ‡	20 (19)	11 (10)	6 (6)	3 (3)
Weight decreased	16 (15)	10 (9)	0 (0.0)	0 (0.0)
Weight increased	1 (<1)	12 (11)	0 (0.0)	0 (0.0)
Psychiatric disorders				
Anxiety	14 (13)	8 (7)	0 (0.0)	0 (0.0)
Confusional state ‡	13 (12)	15 (13)	6 (6)	3 (3)
Insomnia	7 (7)	18 (16)	0 (0.0)	0 (0.0)
Renal and urinary disorders				
Renal failure ‡	16 (15)	11 (10)	9 (8)	8 (7)

Data cutoff: 01 March 2013

* Regardless of attribution of relatedness to POMALYST.

† POMALYST alone arm includes all patients randomized to the POMALYST alone arm who took study drug; 61 of the 107 patients had dexamethasone added during the treatment period.

‡ Serious adverse reactions were reported in at least 2 patients in any POMALYST treatment arm.

Table 4: Adverse Reactions in Trial 2

	All Adverse Reactions (≥5% in POMALYST + Low-dose Dex arm, and at least 2% higher than the High-dose-Dex arm)		Grade 3 or 4 (≥1% in POMALYST + Low-dose Dex arm, and at least 1% higher than the High-dose-Dex arm)	
Body System Adverse Reaction	POMALYST + Low-dose Dex (N=300)	High-dose Dex (N=150)	POMALYST + Low-dose Dex (N=300)	High-dose Dex (N=150)
Number (%) of patients with at least one adverse reaction	297 (99)	149 (99)	259 (86)	127 (85)
Blood and lymphatic system disorders				
Neutropenia *	154 (51)	31 (21)	145 (48)	24 (16)
Thrombocytopenia	89 (30) †	44 (29) †	66 (22) †	39 (26) †
Leukopenia	38 (13)	8 (5)	27 (9)	5 (3)
Febrile neutropenia *	28 (9)	0 (0.0)	28 (9)	0 (0.0)
General disorders and administration site conditions				
Fatigue and asthenia	140 (47)	64 (43)	26 (9) †	18 (12) †
Pyrexia *	80 (27)	35 (23)	9 (3) †	7 (5) †

Edema peripheral	52 (17)	17 (11)	4 (1) [†]	3 (2) [†]
Pain	11 (4) [†]	3 (2) [†]	5 (2)	1 (<1)
Infections and infestations				
Upper respiratory tract infection *	93 (31)	19 (13)	9 (3)	1 (<1)
Pneumonia *	58 (19)	20 (13)	47 (16)	15 (10)
Neutropenic sepsis *	3 (1) [†]	0 (0.0) [†]	3 (1)	0 (0.0)
Gastrointestinal disorders				
Diarrhea	66 (22)	28 (19)	3 (1) [†]	2 (1) [†]
Constipation	65 (22)	22 (15)	7 (2)	0 (0.0)
Nausea	45 (15)	17 (11)	3 (1) [†]	2 (1) [†]
Vomiting	23 (8)	6 (4)	3 (1)	0 (0.0)
Musculoskeletal and connective tissue disorders				
Back pain *	59 (20)	24 (16)	15 (5)	6 (4)
Bone pain *	54 (18)	21 (14)	22 (7)	7 (5)
Muscle spasms	46 (15)	11 (7)	1 (<1) [†]	1 (<1) [†]
Arthralgia	26 (9)	7 (5)	2 (<1) [†]	1 (<1) [†]
Pain in extremity	20 (7) [†]	9 (6) [†]	6 (2)	0 (0.0)
Respiratory, thoracic and mediastinal disorders				
Dyspnea *	76 (25)	25 (17)	17 (6)	7 (5)
Cough	60 (20)	15 (10)	2 (<1) [†]	1 (<1) [†]
Chronic obstructive pulmonary disease *	5 (2) [†]	0 (0.0) [†]	4 (1)	0 (0.0)
Nervous system disorders				
Peripheral neuropathy	52 (17)	18 (12)	5 (2) [†]	2 (1) [†]
Dizziness	37 (12)	14 (9)	4 (1) [†]	2 (1) [†]
Headache	23 (8)	8 (5)	1 (<1) [†]	0 (0.0) [†]
Tremor	17 (6)	2 (1)	2 (<1) [†]	0 (0.0) [†]
Depressed level of consciousness	5 (2) [†]	0 (0.0) [†]	3 (1)	0 (0.0)
Metabolism and nutrition disorders				
Decreased appetite	38 (13)	12 (8)	3 (1) [†]	2 (1) [†]
Hypokalemia	28 (9) [†]	12 (8) [†]	12 (4)	4 (3)
Hypocalcemia	12 (4) [†]	9 (6) [†]	5 (2)	1 (<1)
Skin and subcutaneous tissue disorders				
Rash	23 (8)	2 (1)	3 (1)	0 (0.0)
Pruritus	22 (7)	5 (3)	0 (0.0) [†]	0 (0.0) [†]
Hyperhidrosis	15 (5)	1 (<1)	0 (0.0) [†]	0 (0.0) [†]
Investigations				
Neutrophil count decreased	15 (5)	1 (<1)	14 (5)	1 (<1)
Platelet count decreased	10 (3) [†]	3 (2) [†]	8 (3)	2 (1)
White blood cell count decreased	8 (3) [†]	1 (<1) [†]	8 (3)	0 (0.0)

Alanine aminotransferase increased	7 (2) [†]	2 (1) [†]	5 (2)	0 (0.0)
Aspartate aminotransferase increased	4 (1) [†]	2 (1) [†]	3 (1)	0 (0.0)
Lymphocyte count decreased	3 (1) [†]	1 (<1) [†]	3 (1)	0 (0.0)
Renal and urinary disorders				
Renal failure	31 (10) [†]	18 (12) [†]	19 (6)	8 (5)
Injury, poisoning and procedural complications				
Femur fracture *	5 (2) [†]	1 (<1) [†]	5 (2)	1 (<1)
Reproductive system and breast disorders				
Pelvic pain	6 (2) [†]	3 (2) [†]	4 (1)	0 (0.0)

Data cutoff: 01 March 2013

* Serious adverse reactions were reported in at least 3 patients in the POM + Low-dose Dex arm, AND at least 1% higher than the High-dose-Dex arm percentage.

[†] Percentage did not meet the criteria to be considered as an adverse reaction for POMALYST for that category of event (i.e., all adverse events or Grade 3 or 4 adverse events).

Other Adverse Reactions

Other adverse reactions of POMALYST in patients with MM, not described above, and considered important:

Cardiac Disorders: Myocardial infarction, Atrial fibrillation, Angina pectoris, Cardiac failure congestive

Ear and Labyrinth Disorders: Vertigo

Gastrointestinal disorders: Abdominal pain

General Disorders and Administration Site Conditions: General physical health deterioration, Non-cardiac chest pain, Multi-organ failure

Hepatobiliary Disorders: Hyperbilirubinemia

Infections and Infestations: Pneumocystis jiroveci pneumonia, Respiratory syncytial virus infection, Neutropenic sepsis, Bacteremia, Pneumonia respiratory syncytial viral, Cellulitis, Urosepsis, Septic shock, Clostridium difficile colitis, Pneumonia streptococcal, Lobar pneumonia, Viral infection, Lung infection

Investigations: Alanine aminotransferase increased, Hemoglobin decreased

Injury, poisoning and procedural complications: Fall, Compression fracture, Spinal compression fracture

Metabolism and nutritional disorders: Hyperkalemia, Failure to thrive

Nervous system disorders: Depressed level of consciousness, Syncope

Psychiatric disorders: Mental status change

Renal and urinary disorders: Urinary retention, Hyponatremia

Reproductive system and breast disorders: Pelvic pain

Respiratory, thoracic, and mediastinal disorders: Interstitial lung disease, Pulmonary embolism, Respiratory failure, Bronchospasm

Vascular disorders: Hypotension

Kaposi Sarcoma (KS)

The safety of POMALYST in patients with KS was evaluated in Trial 12-C-0047 [see *Clinical Studies (14.2)*]. Twenty-eight patients received POMALYST 5 mg taken orally once daily on Days 1 through 21 of repeated 28-day cycles. The study excluded patients with procoagulant disorders or a history of venous or arterial thromboembolism. Patients received DVT prophylaxis with daily low dose aspirin. Across all patients treated on Trial 12-C-0047, 75% were exposed to pomalidomide for 6 months or longer and 25% were exposed for greater than one year.

Serious adverse reactions occurred in 18% (5/28) of patients who received POMALYST. The following serious adverse reactions each occurred in 1 patient: anemia, decreased neutrophil count, and hematuria.

Permanent discontinuation due to an adverse reaction occurred in 11% (3/28) of patients who received POMALYST.

Dosage interruptions due to an adverse reaction occurred in 14% (4/28) of patients who received POMALYST. The most frequent adverse reaction requiring dosage interruption was decreased neutrophil count, which occurred in 3 patients.

The POMALYST dose was reduced due to an adverse reaction in 1 patient due to gout.

Tables 5 and 6 summarize the adverse reactions and select laboratory abnormalities reported in Trial 12-C-0047.

Table 5: Adverse Reactions (≥ 20%) in Patients Who Received POMALYST in Trial 12-C-0047

Adverse Reaction	Grades 1-4 N=28 %	Grade 3 or 4 N=28 %
Rash, maculo-papular	71	3.6
Constipation	71	0
Fatigue	68	0
Nausea	36	0
Diarrhea	32	3.6
Cough	29	0
Dyspnea	29	0
Peripheral Edema	29	3.6
Upper respiratory tract infection	29	0
Muscle spasms	25	0
Hypothyroidism	21	0
Dry skin	21	0
Chills	21	0

Table 6: Frequency of Select Laboratory Abnormalities (≥ 10%) Worsening from Baseline in Patients Who Received POMALYST in Trial 12-C-0047

Laboratory Abnormality	Grades 1-4* %	Grades 3-4* %
Hematology		
Decreased Absolute Neutrophil Count	96	50
Decreased White Blood Cells	79	3.6
Decreased Hemoglobin	54	0
Decreased Platelets	54	0

Chemistry		
Elevated Creatinine	86	3.6
Elevated Glucose	57	7
Decreased Albumin	54	0
Decreased Phosphate	54	25
Decreased Calcium	50	0
Increased Alanine Aminotransferase (ALT)	32	0
Increased Aspartate Aminotransferase (AST)	25	0
Elevated Creatine Kinase	25	7
Decreased Magnesium	14	0
Elevated Alkaline Phosphate	14	3.6

* Denominator is the number of patients for whom there is a baseline and at least one post baseline assessment for the laboratory parameter.

6.2 Postmarketing Experience

The following adverse reactions have been identified during postapproval use of POMALYST. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

Blood and Lymphatic System Disorders: Pancytopenia

Endocrine Disorders: Hypothyroidism, hyperthyroidism

Gastrointestinal Disorders: Gastrointestinal hemorrhage

Hepatobiliary Disorders: Hepatic failure (including fatal cases), elevated liver enzymes

Immune system Disorders: Allergic reactions (e.g., angioedema, anaphylaxis, urticaria), solid organ transplant rejection

Infections and Infestations: Hepatitis B virus reactivation, Herpes zoster

Neoplasms benign, malignant and unspecified (incl cysts and polyps): Tumor lysis syndrome, basal cell carcinoma, and squamous cell carcinoma of the skin

Skin and Subcutaneous Tissue Disorders: Stevens-Johnson Syndrome, toxic epidermal necrolysis, drug reaction with eosinophilia and systemic symptoms (DRESS)

7 DRUG INTERACTIONS

7.1 Drugs That Affect Pomalidomide Plasma Concentrations

CYP1A2 inhibitors:

In healthy subjects, co-administration of fluvoxamine, a strong CYP1A2 inhibitor, increased C_{max} and AUC of pomalidomide by 24% and 125% respectively [see *Clinical Pharmacology* (12.3)]. Increased pomalidomide exposure may increase the risk of exposure related toxicities. Avoid co-administration of strong CYP1A2 inhibitors (e.g. ciprofloxacin and fluvoxamine). If co-administration is unavoidable, reduce the POMALYST dose [see *Dosage and Administration* (2.6)].

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Pregnancy Exposure Registry

There is a pregnancy exposure registry that monitors pregnancy outcomes in females exposed to

POMALYST during pregnancy as well as female partners of male patients who are exposed to POMALYST. This registry is also used to understand the root cause for the pregnancy. Report any suspected fetal exposure to POMALYST to the FDA via the MedWatch program at 1-800-FDA-1088 and also to Celgene Corporation at 1-888-423-5436.

Risk Summary

Based on the mechanism of action [see *Clinical Pharmacology (12.1)*] and findings from animal studies, POMALYST can cause embryo-fetal harm when administered to a pregnant female and is contraindicated during pregnancy [see *Contraindications (4)*, and *Warnings and Precautions (5.1)*].

POMALYST is a thalidomide analogue. Thalidomide is a human teratogen, inducing a high frequency of severe and life-threatening birth defects such as amelia (absence of limbs), phocomelia (short limbs), hypoplasticity of the bones, absence of bones, external ear abnormalities (including anotia, micropinna, small or absent external auditory canals), facial palsy, eye abnormalities (anophthalmos, microphthalmos), and congenital heart defects. Alimentary tract, urinary tract, and genital malformations have also been documented, and mortality at or shortly after birth has been reported in about 40% of infants.

Pomalidomide was teratogenic in both rats and rabbits when administered during the period of organogenesis. Pomalidomide crossed the placenta after administration to pregnant rabbits (*see Data*). If this drug is used during pregnancy or if the patient becomes pregnant while taking this drug, the patient should be apprised of the potential risk to a fetus.

If pregnancy does occur during treatment, immediately discontinue the drug. Under these conditions, refer patient to an obstetrician/gynecologist experienced in reproductive toxicity for further evaluation and counseling. Report any suspected fetal exposure to POMALYST to the FDA via the MedWatch program at 1-800-FDA-1088 and also to Celgene Corporation at 1-888-423-5436.

The estimated background risk of major birth defects and miscarriage for the indicated population is unknown. The estimated background risk in the U.S. general population of major birth defects is 2%-4% and of miscarriage is 15%-20% of clinically recognized pregnancies.

Data

Animal Data

Pomalidomide was teratogenic in both rats and rabbits in the embryo-fetal developmental studies when administered during the period of organogenesis.

In rats, pomalidomide was administered orally to pregnant animals at doses of 25 to 1000 mg/kg/day. Malformations or absence of urinary bladder, absence of thyroid gland, and fusion and misalignment of lumbar and thoracic vertebral elements (vertebral, central, and/or neural arches) were observed at all dose levels. There was no maternal toxicity observed in this study. The lowest dose in rats resulted in an exposure (AUC) approximately 85-fold of the human exposure at the recommended dose of 4 mg/day. Other embryo-fetal toxicities included increased resorptions leading to decreased number of viable fetuses.

In rabbits, pomalidomide was administered orally to pregnant animals at doses of 10 to 250 mg/kg/day. Increased cardiac malformations such as interventricular septal defect were seen at all doses with significant increases at 250 mg/kg/day. Additional malformations observed at 250 mg/kg/day included anomalies in limbs (flexed and/or rotated fore- and/or hindlimbs, unattached or absent digit) and associated skeletal malformations (not ossified metacarpal, misaligned phalanx and metacarpal, absent digit, not ossified phalanx, and short not ossified or bent tibia), moderate dilation of the lateral ventricle in the brain, abnormal placement of the right subclavian artery, absent intermediate lobe in the lungs, low-set kidney, altered liver morphology, incompletely or not ossified pelvis, an increased average for supernumerary thoracic ribs, and a reduced average for ossified tarsals. No maternal toxicity was observed at the low dose (10 mg/kg/day) that resulted in cardiac anomalies in fetuses; this dose resulted in an exposure (AUC) approximately equal to that reported in humans at the recommended dose of 4

mg/day. Additional embryo-fetal toxicity included increased resorption.

Following daily oral administration of pomalidomide from Gestation Day 7 through Gestation Day 20 in pregnant rabbits, fetal plasma pomalidomide concentrations were approximately 50% of the maternal C_{\max} at all dosages (5 to 250 mg/kg/day), indicating that pomalidomide crossed the placenta.

8.2 Lactation

Risk Summary

There is no information regarding the presence of pomalidomide in human milk, the effects of POMALYST on the breastfed child, or the effects of POMALYST on milk production. Pomalidomide was excreted in the milk of lactating rats (*see Data*). Because many drugs are excreted in human milk and because of the potential for adverse reactions in a breastfed child from POMALYST, advise women not to breastfeed during treatment with POMALYST.

Data

Animal Data

Following a single oral administration of pomalidomide to lactating rats approximately 14 days postpartum, pomalidomide was transferred into milk, with milk to plasma ratios of 0.63 to 1.46.

8.3 Females and Males of Reproductive Potential

Pregnancy Testing

POMALYST can cause fetal harm when administered during pregnancy [*see Use in Specific Populations (8.1)*]. Verify the pregnancy status of females of reproductive potential prior to initiating POMALYST therapy and during therapy. Advise females of reproductive potential that they must avoid pregnancy 4 weeks before therapy, while taking POMALYST, during dose interruptions and for at least 4 weeks after completing therapy.

Females of reproductive potential must have 2 negative pregnancy tests before initiating POMALYST. The first test should be performed within 10-14 days, and the second test within 24 hours prior to prescribing POMALYST. Once treatment has started and during dose interruptions, pregnancy testing for females of reproductive potential should occur weekly during the first 4 weeks of use, then pregnancy testing should be repeated every 4 weeks in females with regular menstrual cycles. If menstrual cycles are irregular, the pregnancy testing should occur every 2 weeks. Pregnancy testing and counseling should be performed if a patient misses her period or if there is any abnormality in her menstrual bleeding. POMALYST treatment must be discontinued during this evaluation.

Contraception

Females

Females of reproductive potential must commit either to abstain continuously from heterosexual sexual intercourse or to use 2 methods of reliable birth control simultaneously: one highly effective form of contraception – tubal ligation, IUD, hormonal (birth control pills, injections, hormonal patches, vaginal rings, or implants), or partner's vasectomy, and 1 additional effective contraceptive method – male latex or synthetic condom, diaphragm, or cervical cap. Contraception must begin 4 weeks prior to initiating treatment with POMALYST, during therapy, during dose interruptions, and continuing for 4 weeks following discontinuation of POMALYST therapy. Reliable contraception is indicated even where there has been a history of infertility, unless due to hysterectomy. Females of reproductive potential should be referred to a qualified provider of contraceptive methods, if needed.

Males

Pomalidomide is present in the semen of males who take POMALYST. Therefore, males must always use a latex or synthetic condom during any sexual contact with females of reproductive potential while taking POMALYST and for up to 4 weeks after discontinuing POMALYST, even if they have

undergone a successful vasectomy. Male patients taking POMALYST must not donate sperm.

Infertility

Based on findings in animals, female fertility may be compromised by treatment with POMALYST [see *Nonclinical Toxicology (13.1)*].

8.4 Pediatric Use

Safety and effectiveness have not been established in pediatric patients.

8.5 Geriatric Use

Multiple Myeloma

Of the total number of patients in clinical studies of POMALYST, 44% were aged older than 65 years, while 10% were aged older than 75 years. No overall differences in effectiveness were observed between these patients and younger patients. In these studies, patients older than 65 years were more likely than patients less than or equal to 65 years of age to experience pneumonia.

Kaposi Sarcoma

Of the 28 patients who received POMALYST, 11% were 65 years or older, and 3.6% were 75 years of age or older. The clinical study did not include sufficient numbers of patients aged 65 and over to determine whether they respond differently from younger patients.

8.6 Renal Impairment

In patients with severe renal impairment requiring dialysis, the AUC of pomalidomide increased by 38% and the rate of SAE increased by 64% relative to patients with normal renal function; therefore, starting dose adjustment is recommended. For patients with severe renal impairment requiring dialysis, administer POMALYST after the completion of hemodialysis on dialysis days because exposure of pomalidomide could be significantly decreased during dialysis [see *Dosage and Administration (2.7)* and *Clinical Pharmacology (12.3)*].

8.7 Hepatic Impairment

Pomalidomide is metabolized primarily by the liver. Following single dose administration, the AUC of pomalidomide increased 51%, 58%, and 72% in subjects with mild (Child-Pugh class A), moderate (Child-Pugh class B), and severe (Child-Pugh class C) hepatic impairment, respectively compared to subjects with normal liver function. Dose adjustment is recommended in patients with hepatic impairment [see *Dosage and Administration (2.8)* and *Clinical Pharmacology (12.3)*].

8.8 Smoking Tobacco

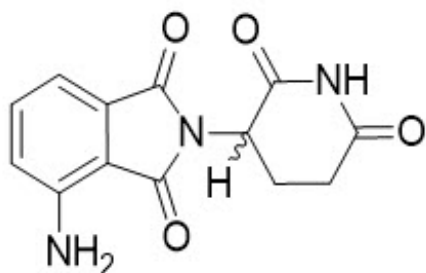
Cigarette smoking reduces pomalidomide AUC due to CYP1A2 induction. Advise patients that smoking may reduce the efficacy of pomalidomide [see *Clinical Pharmacology (12.3)*].

10 OVERDOSAGE

Hemodialysis can remove pomalidomide from circulation.

11 DESCRIPTION

Pomalidomide is a thalidomide analog. The chemical name is (RS)-4-Amino-2-(2,6-dioxo-piperidin-3-yl)-isoindoline-1,3-dione and it has the following chemical structure:



The empirical formula for pomalidomide is $C_{13}H_{11}N_3O_4$ and the gram molecular weight is 273.24.

Pomalidomide is a yellow solid powder. It has limited to low solubility into organic solvents and it has low solubility in all pH solutions (about 0.01 mg/mL). Pomalidomide has a chiral carbon atom which exists as a racemic mixture of the R(+) and S(-) enantiomers.

POMALYST is available in 1-mg, 2-mg, 3-mg, and 4-mg capsules for oral administration. Each capsule contains pomalidomide as the active ingredient and the following inactive ingredients: mannitol, pregelatinized starch, and sodium stearyl fumarate. The 1-mg capsule shell contains gelatin, titanium dioxide, FD&C blue 2, yellow iron oxide, white ink, and black ink. The 2-mg capsule shell contains gelatin, titanium dioxide, FD&C blue 2, yellow iron oxide, FD&C red 3, and white ink. The 3-mg capsule shell contains gelatin, titanium dioxide, FD&C blue 2, yellow iron oxide, and white ink. The 4-mg capsule shell contains gelatin, titanium dioxide, FD&C blue 1, FD&C blue 2, and white ink.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Pomalidomide is an analogue of thalidomide with immunomodulatory, antiangiogenic, and antineoplastic properties. Cellular activities of pomalidomide are mediated through its target cereblon, a component of a cullin ring E3 ubiquitin ligase enzyme complex. In vitro, in the presence of drug, substrate proteins (including Aiolos and Ikaros) are targeted for ubiquitination and subsequent degradation leading to direct cytotoxic and immunomodulatory effects. In in vitro cellular assays, pomalidomide inhibited proliferation and induced apoptosis of hematopoietic tumor cells. Additionally, pomalidomide inhibited the proliferation of lenalidomide-resistant multiple myeloma (MM) cell lines and synergized with dexamethasone in both lenalidomide-sensitive and lenalidomide-resistant cell lines to induce tumor cell apoptosis. Pomalidomide enhanced T cell- and natural killer (NK) cell-mediated immunity and inhibited production of pro-inflammatory cytokines (e.g., TNF- α and IL-6) by monocytes. Pomalidomide demonstrated anti-angiogenic activity in a mouse tumor model and in the in vitro umbilical cord model.

12.2 Pharmacodynamics

Pomalidomide exposure-response analyses showed that there was no relationship between systemic pomalidomide exposure level and efficacy or safety following pomalidomide dose of 4 mg.

Cardiac Electrophysiology

The QTc prolongation potential of pomalidomide was evaluated in a single center, randomized, double-blind crossover study (N=72) using 4 mg pomalidomide, 20 mg pomalidomide, placebo, and 400 mg moxifloxacin (positive control). No significant QTc prolongation effect of pomalidomide was observed following pomalidomide doses of 4 and 20 mg.

12.3 Pharmacokinetics

In patients with MM who received POMALYST 4 mg daily alone or in combination with dexamethasone, pomalidomide steady-state drug exposure was characterized by AUC (CV%) of 860 (37%) ng·h/mL and C_{max} (CV%) of 75 (32%) ng/mL. In patients with Kaposi sarcoma (KS) who received POMALYST 5 mg daily, pomalidomide steady-state drug exposure was characterized by AUC of 462.3

ng·h/mL (82%) and C_{\max} of 53.1 ng/mL (50%).

Absorption

Following administration of single oral doses of POMALYST, the maximum plasma concentration (C_{\max}) for pomalidomide occurs at 2 to 3 hours postdose in patients with MM or KS.

Effect of Food

Co-administration of POMALYST with a high-fat meal (approximately 50% of the total caloric content) and high-calorie meal (approximately 800 to 1000 calories) (the meal contained approximately 150, 250, and 500 to 600 calories from protein, carbohydrates, and fat, respectively) delays the T_{\max} by 2.5 hours, decreased mean plasma C_{\max} and AUC in healthy subjects by about 27% and 8%, respectively.

Distribution

Pomalidomide has a mean apparent volume of distribution (V_d/F) between 62 and 138 L at steady state in patients with MM or KS.

Pomalidomide is distributed in semen of healthy subjects at a concentration of approximately 67% of plasma level at 4 hours postdose ($\sim T_{\max}$) after 4 days of 2 mg once-daily dosing.

Human plasma protein binding of pomalidomide ranges from 12% to 44% and is not concentration dependent. Pomalidomide is a substrate for P-gp.

Elimination

Pomalidomide has a mean total body clearance (CL/F) of 7-10 L/h in patients with MM or KS.

Pomalidomide is eliminated with a median plasma half-life of 9.5 hours in healthy subjects and 7.5 hours in patients with MM or KS.

Metabolism

Pomalidomide is primarily metabolized in the liver by CYP1A2 and CYP3A4. Minor contributions from CYP2C19 and CYP2D6 were also observed *in vitro*.

Excretion

Following a single oral administration of [^{14}C]-pomalidomide to healthy subjects, approximately 73% and 15% of the radioactive dose was eliminated in urine and feces, respectively, with approximately 2% and 8% of the radiolabeled dose eliminated unchanged as pomalidomide in urine and feces.

Specific Populations

Age (61 to 85 years old), sex and race have no clinically significant effect on the systemic exposure of pomalidomide. The pharmacokinetics of pomalidomide is unknown in pediatric patients.

Patients with Renal Impairment

Pomalidomide pharmacokinetic parameters were not significantly affected in patients with moderate ($30 \text{ mL/min} \leq \text{CLcr} < 60 \text{ mL/min}$) or severe ($15 \text{ mL/min} \leq \text{CLcr} < 30 \text{ mL/min}$) renal impairment relative to patients with normal renal function ($\text{CLcr} \geq 60 \text{ mL/min}$). Mean exposure (AUC) to pomalidomide increased by 38% in patients with severe renal impairment requiring dialysis ($\text{CLcr} < 30 \text{ mL/min}$ requiring dialysis) and 40% in patients with end stage renal disease ($\text{CLcr} < 15 \text{ mL/min}$) on non-dialysis days. In patients with severe renal impairment requiring dialysis, the estimated dialysis clearance is approximately 12 L/h which is higher than pomalidomide total body clearance, indicating hemodialysis will remove pomalidomide from the blood circulation.

Patients with Hepatic Impairment

Mean exposure (AUC) of pomalidomide increased by 51%, 58% and 72% in subjects with mild, moderate or severe hepatic impairment as defined by Child-Pugh criteria, respectively.

Drug Interaction Studies

Clinical Studies

Co-administration of POMALYST with the following drugs did not increase pomalidomide exposure to a clinically significant extent: ketoconazole (a strong CYP3A4 and P-gp inhibitor), carbamazepine (a strong CYP3A4 inducer) and dexamethasone (a weak to moderate CYP3A4 inducer). Co-administration of POMALYST with drugs that are CYP1A2 inducers has not been studied.

CYP1A2 Inhibitors: Co-administration of fluvoxamine (a strong CYP1A2 inhibitor) with POMALYST increased mean [90% confidence interval] pomalidomide exposure by 125% [98% to 157%] compared to POMALYST alone in healthy subjects. Co-administration of fluvoxamine in the presence of ketoconazole (a strong CYP3A4 and P-gp inhibitor) with POMALYST increased mean pomalidomide exposure by 146% [126% to 167%] compared to POMALYST administered alone in healthy subjects, indicating the predominant effect of CYP1A2 inhibition in the increase of pomalidomide exposure [see *Dosage and Administration (2.6) and Drug Interactions (7.1)*].

Strong CYP3A4 and P-gp Inhibitors: Co-administration of ketoconazole (a strong CYP3A4 and P-gp inhibitor) in 16 healthy male subjects increased AUC of pomalidomide by 19% compared to POMALYST administered alone.

Strong CYP1A2 Inducers: Co-administration of POMALYST with drugs that are CYP1A2 inducers has not been studied and may reduce pomalidomide exposure.

Strong CYP3A4 Inducers: Co-administration of carbamazepine to 16 healthy male subjects decreased AUC of pomalidomide by 20% with a 90% confidence interval [13% to 27%] compared to when pomalidomide was administered alone.

Dexamethasone: Co-administration of multiple doses of 4 mg POMALYST with 20 mg to 40 mg dexamethasone (a weak to moderate inducer of CYP3A4) to patients with MM had no effect on the pharmacokinetics of pomalidomide compared to when pomalidomide was administered alone.

Smoking: In 14 healthy male subjects who smoked 25 cigarettes per day for a total of 10 days, after single oral dose of 4 mg POMALYST, C_{max} of pomalidomide increased 14% while AUC of pomalidomide decreased 32%, compared to that in 13 healthy male subjects who were non-smokers.

In Vitro Studies

Pomalidomide does not inhibit or induce cytochrome p450 enzymes or transporters *in vitro*.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Studies examining the carcinogenic potential of pomalidomide have not been conducted. One of 12 monkeys dosed with 1 mg/kg of pomalidomide (an exposure approximately 15-fold of the exposure in patients at the recommended dose of 4 mg/day) developed acute myeloid leukemia in a 9-month repeat-dose toxicology study.

Pomalidomide was not mutagenic or clastogenic in a battery of tests, including the bacteria reverse mutation assay (Ames test), the *in vitro* assay using human peripheral blood lymphocytes, and the micronucleus test in orally treated rats administered doses up to 2000 mg/kg/day.

In a fertility and early embryonic development study in rats, drug-treated males were mated with untreated or treated females. Pomalidomide was administered to males and females at doses of 25 to 1000 mg/kg/day. When treated males were mated with treated females, there was an increase in post-implantation loss and a decrease in mean number of viable embryos at all dose levels. There were no other effects on reproductive functions or the number of pregnancies. The lowest dose tested in animals resulted in an exposure (AUC) approximately 100-fold of the exposure in patients at the recommended dose of 4 mg/day. When treated males in this study were mated with untreated females, all uterine parameters were comparable to the controls. Based on these results, the observed effects were

attributed to the treatment of females.

14 CLINICAL STUDIES

14.1 Multiple Myeloma

Trial 1

Trial 1 was a phase 2, multicenter, randomized open-label study in patients with relapsed multiple myeloma (MM) who were refractory to their last myeloma therapy and had received lenalidomide and bortezomib. Patients were considered relapsed if they had achieved at least stable disease for at least 1 cycle of treatment to at least 1 prior regimen and then developed progressive disease. Patients were considered refractory if they experienced disease progression on or within 60 days of their last therapy. A total of 221 patients were randomized to receive POMALYST alone or POMALYST with Low-dose Dex. In Trial 1, the safety and efficacy of POMALYST 4 mg, once daily for 21 of 28 days, until disease progression, were evaluated alone and in combination with Low-dose Dex (40 mg/day given only on Days 1, 8, 15, and 22 of each 28-day cycle for patients aged 75 years or younger, or 20 mg/day given only on Days 1, 8, 15, and 22 of each 28-day cycle for patients aged greater than 75 years). Patients in the POMALYST alone arm were allowed to add Low-dose Dex upon disease progression.

Table 7 summarizes the baseline patient and disease characteristics in Trial 1. The baseline demographics and disease characteristics were balanced and comparable between the study arms.

Table 7: Baseline Demographic and Disease-Related Characteristics – Trial 1

	POMALYST (n=108)	POMALYST + Low-dose Dex (n=113)
Patient Characteristics		
Median age, years (range)	61 (37-88)	64 (34-88)
Age distribution, n (%)		
<65 years	65 (60.2)	60 (53.1)
≥65 years	43 (39.8)	53 (46.9)
Sex, n (%)		
Male	57 (52.8)	62 (54.9)
Female	51 (47.2)	51 (45.1)
Race/ethnicity, n (%)		
White	86 (79.6)	92 (81.4)
Black or African American	16 (14.8)	17 (15)
All other race	6 (5.6)	4 (3.6)
ECOG Performance, n (%)		
Status 0-1	95 (87.9)	100 (88.5)
Disease Characteristics		
Number of prior therapies		
Median (min, max)	5 (2, 12)	5 (2, 13)
Prior transplant, n (%)	82 (75.9)	84 (74.3)
Refractory to bortezomib and lenalidomide, n (%)	64 (59.3)	69 (61.1)

Data cutoff: 01 April 2011

Table 8 summarizes the analysis results of overall response rate (ORR) and duration of response

(DOR), based on assessments by the Independent Review Adjudication Committee for the treatment arms in Trial 1. ORR did not differ based on type of prior antineoplastic therapy.

Table 8: Trial 1 Results

	POMALYST* (n=108)	POMALYST + Low-dose Dex (n=113)
Response		
Overall Response Rate (ORR), [†] n (%)	8 (7.4)	33 (29.2)
95% CI for ORR (%)	(3.3, 14.1)	(21.0, 38.5)
Complete Response (CR), n (%)	0 (0.0)	1 (0.9)
Partial Response (PR), n (%)	8 (7.4)	32 (28.3)
Duration of Response (DOR)		
Median, months	NE	7.4
95% CI for DOR (months)	NE	(5.1, 9.2)

CI, confidence interval; NE, not established (the median has not yet been reached).

Data cutoff: 01 April 2011

* Results are prior to the addition of dexamethasone.

[†] ORR = PR + CR per EBMT criteria.

Trial 2

Trial 2 was a Phase 3 multi-center, randomized, open-label study, where POMALYST + Low-dose Dex therapy was compared to High-dose Dex in adult patients with relapsed and refractory MM, who had received at least two prior treatment regimens, including lenalidomide and bortezomib, and demonstrated disease progression on or within 60 days of the last therapy. Patients with creatinine clearance \geq 45mL/min qualified for the trial. A total of 455 patients were enrolled in the trial: 302 in the POMALYST + Low-dose Dex arm and 153 in the High-dose Dex arm. Patients in the POMALYST + Low-dose Dex arm were administered 4 mg POMALYST orally on Days 1 to 21 of each 28-day cycle. Dexamethasone (40 mg) was administered once per day on Days 1, 8, 15 and 22 of a 28-day cycle. Patients $>$ 75 years of age started treatment with 20 mg dexamethasone using the same schedule. For the High-dose Dex arm, dexamethasone (40 mg) was administered once per day on Days 1 through 4, 9 through 12, and 17 through 20 of a 28-day cycle. Patients $>$ 75 years of age started treatment with 20 mg dexamethasone using the same schedule. Treatment continued until patients had disease progression.

Baseline patient and disease characteristics were balanced and comparable between the study arms, as summarized in Table 9. Overall, 94% of patients had disease refractory to lenalidomide, 79% had disease refractory to bortezomib and 74% had disease refractory to both lenalidomide and bortezomib.

Table 9: Baseline Demographic and Disease-Related Characteristics – Trial 2

	POMALYST + Low-dose Dex (N=302)	High-dose Dex (N=153)
Patient Characteristics		
Median Age, years (range)	64 (35, 84)	65 (35, 87)
Age Distribution n (%)		
$<$ 65 years	158 (52)	74 (48)
\geq 65 years	144 (48)	79 (52)
Sex n (%)		

Male	181 (60)	87 (57)
Female	121 (40)	66 (43)
Race/Ethnicity n (%)		
White	244 (81)	113 (74)
Black or African American	4 (1)	3 (2)
Asian	4 (1)	0 (0)
Other Race	2 (1)	2 (1)
Not Collected	48 (16)	35 (23)
ECOG Performance n (%)		
Status 0	110 (36)	36 (24)
Status 1	138 (46)	86 (56)
Status 2	52 (17)	25 (16)
Status 3	0 (0)	3 (2)
Missing	2 (1)	3 (2)
Disease Characteristics		
Number of Prior Therapies		
Median, (Min, Max)	5 (2, 14)	5 (2, 17)
Prior stem cell transplant n (%)	214 (71)	105 (69)
Refractory to bortezomib and lenalidomide n (%)	225 (75)	113 (74)

Data cutoff: 01March 2013

Table 10 summarizes the progression free survival (PFS) and overall response rate (ORR) based on the assessment by the Independent Review Adjudication Committee (IRAC) review at the final PFS analysis and overall survival (OS) at the OS analysis. PFS was significantly longer with POMALYST + Low-dose Dex than High-dose Dex: HR 0.45 (95% CI: 0.35-0.59 p < 0.001). OS was also significantly longer with POMALYST + Low-dose Dex than High-dose Dex: HR 0.70 (95% CI: 0.54-0.92 p = 0.009). The Kaplan-Meier curves for PFS and OS for the ITT population are provided in Figures 1 and 2, respectively.

Table 10: Trial 2 Results

	POMALYST + Low-dose Dex (N=302)	High-dose Dex (N=153)
Progression Free Survival Time		
Number (%) of events	164 (54.3)	103 (67.3)
Median* (2-sided 95% CI) (months)	3.6 [3.0, 4.6]	1.8 [1.6, 2.1]
Hazard Ratio (Pom+LD-Dex:HD-Dex) 2-Sided 95% CI [†]	0.45 [0.35, 0.59]	
Log-Rank Test 2-sided P-Value [‡]	<0.001	
Overall Survival Time[§]		
Number (%) of deaths	147 (48.7)	86 (56.2)
Median* (2-sided 95% CI) (months)	12.4 [10.4, 15.3]	8.0[6.9, 9.0]
Hazard Ratio (Pom+LD-Dex:HD-Dex) 2-Sided 95% CI	0.70 [0.54, 0.92]	
Log-Rank Test 2-sided P-Value ^{#, p}	0.009	
Overall Response Rate, n (%)	71 (23.5)	6 (3.9)
Complete Response	1 (0.3)	0

Very Good Partial Response	8 (2.6)	1 (0.7)
Partial Response	62 (20.5)	5 (3.3)

Note: CI=Confidence interval; HD-Dex=High dose dexamethasone; IRAC=Independent Review Adjudication Committee; LD-Dex=Low dose dexamethasone.

Data cutoff: 07 Sep 2012 for PFS

Data cutoff: 01 Mar 2013 for OS and ORR

* The median is based on Kaplan-Meier estimate.

† Based on Cox proportional hazards model comparing the hazard functions associated with treatment groups, stratified by age (≤ 75 vs >75), diseases population (refractory to both Lenalidomide and Bortezomib vs not refractory to both drugs), and prior number of antineoplastic therapy ($=2$ vs >2), stratification factors for the trial.

‡ The p-value is based on a stratified log-rank test with the same stratification factors as the above Cox model.

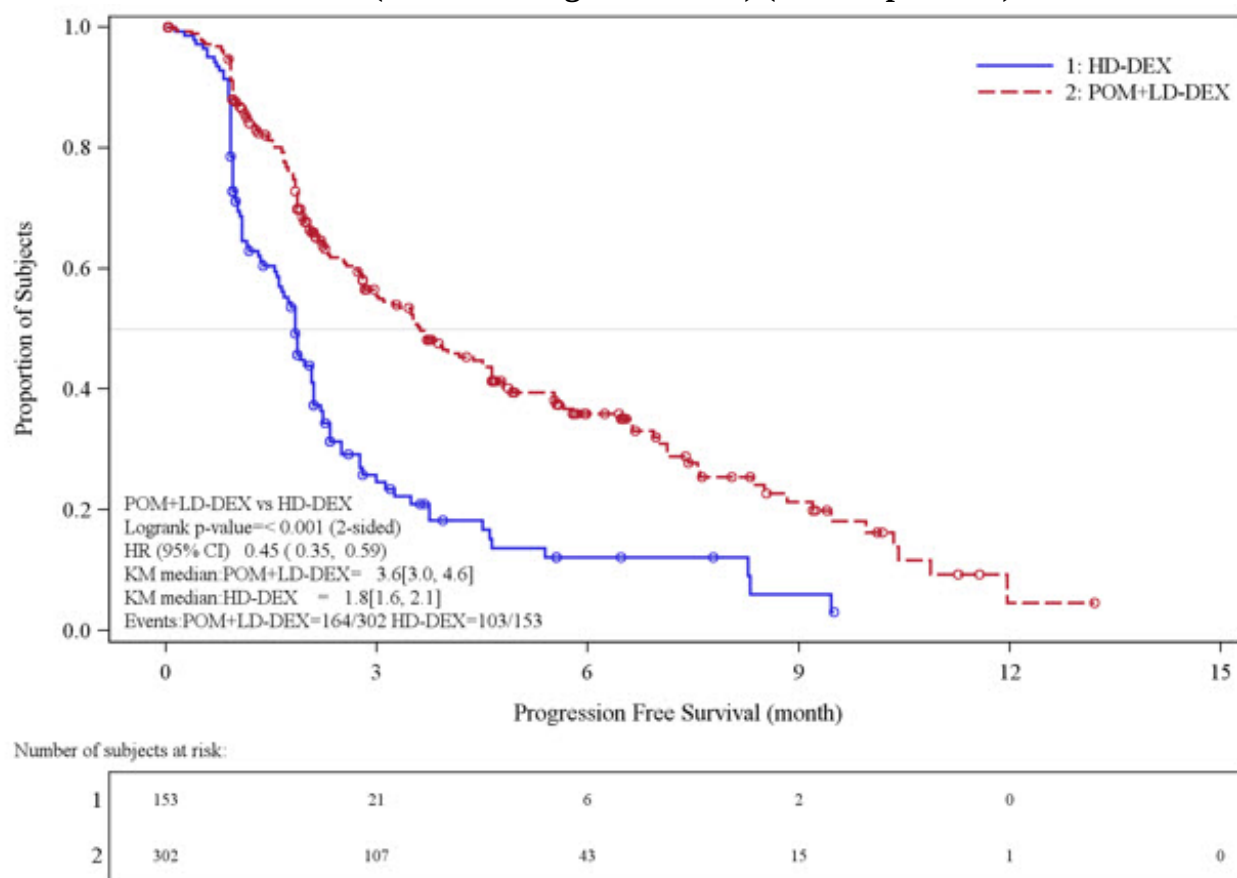
§ 53% of patients in the High-dose Dex arm subsequently received POMALYST.

¶ Based on Cox proportional hazards model (unstratified) comparing the hazard functions associated with treatment groups.

The p-value is based on an unstratified log-rank test.

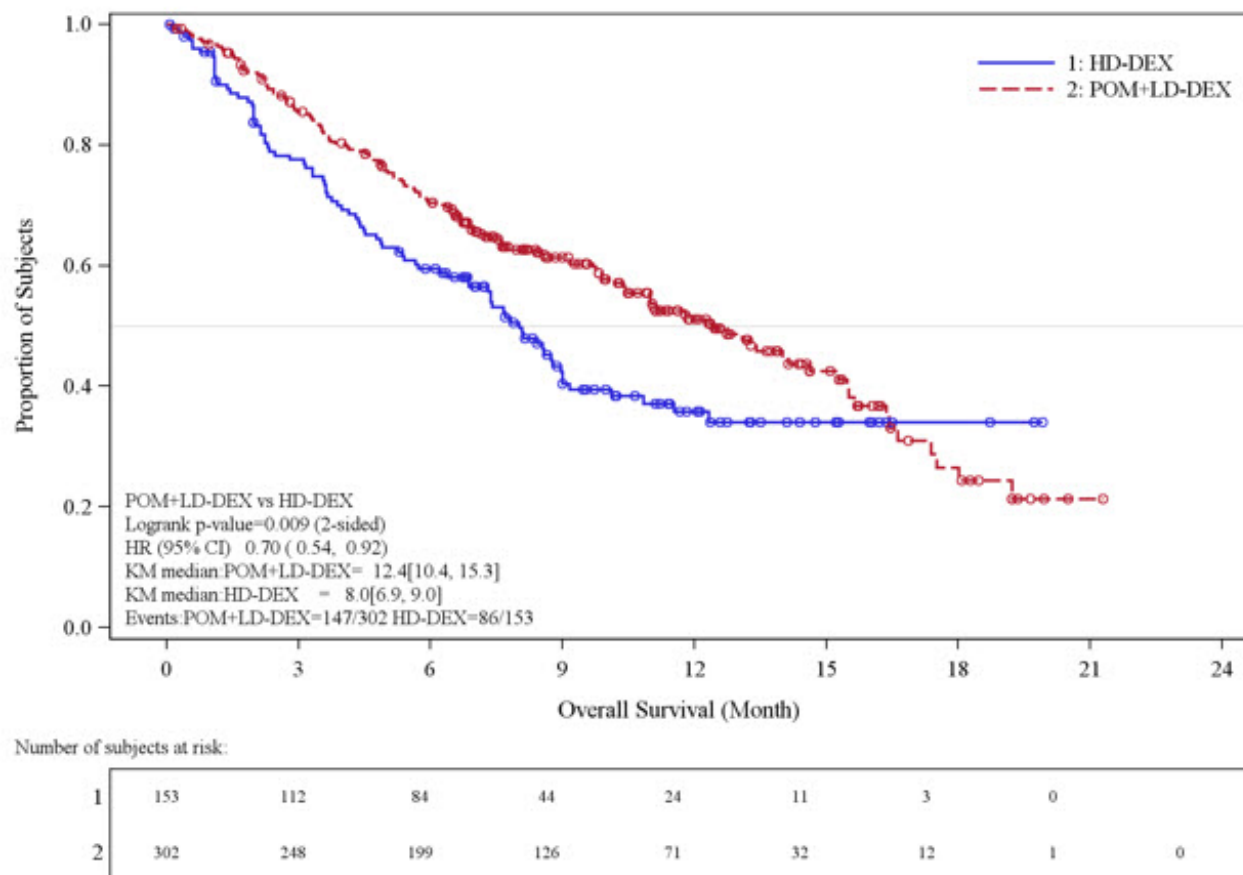
▷ Alpha control for PFS and OS.

Figure 1: Progression Free Survival Based on IRAC Review of Response by IMWG Criteria (Stratified Log Rank Test) (ITT Population)



Data cut-off: 07 Sep 2012

Figure 2: Kaplan-Meier Curve of Overall Survival (ITT Population)



Data cutoff: 01 Mar 2013

14.2 Kaposi Sarcoma

The clinical trial 12-C-0047 (NCT01495598), was an open label, single center, single arm clinical study that evaluated the safety and efficacy of POMALYST in patients with Kaposi sarcoma (KS). A total of 28 patients (18 HIV-positive, 10 HIV-negative) received POMALYST 5 mg orally once daily on Days 1 through 21 of each 28-day cycle until disease progression or unacceptable toxicity. All HIV-positive patients continued highly active antiretroviral therapy (HAART). The trial excluded patients with symptomatic pulmonary or visceral KS, history of venous or arterial thromboembolism, or procoagulant disorders. Patients received thromboprophylaxis with aspirin 81 mg once daily throughout therapy.

The median age was 52.5 years, all were male, 75% were White, and 14% Black or African American. Seventy-five percent of patients had advanced disease (T1) at the time of enrollment, 11% had ≥ 50 lesions, and 75% had received prior chemotherapy.

The major efficacy outcome measure was overall response rate (ORR), which included complete response (CR), clinical complete response (cCR), and partial response (PR). Response was assessed by the investigator according to the AIDS Clinical Trial Group (ACTG) Oncology Committee response criteria for KS. The median time to first response was 1.8 months (0.9 to 7.6). Efficacy results are presented in Table 11.

Table 11: Trial 12-C-0047 Results

	All Patients N=28	HIV-Positive N=18	HIV-Negative N=10
ORR *, n(%)	20 (71)	12 (67)	8 (80)
[95% CI]	[51, 87]	(41, 87)	(44, 98)

CR *, n (%)	4 (14)	3 (17)	1 (10)
PR, n (%)	16 (57)	9 (50)	7 (70)
Duration of Response, KS †, Median in months [95% CI]‡	12.1 [7.6, 16.8]	12.5 [6.5, 24.9]	10.5 [3.9, 24.2]
Duration of Response, KS (%)			
Percent greater than 12 months	50	58	38
Percent greater than 24 months	20	17	25

CI: confidence interval, ORR: overall response rate, CR: complete response, PR: partial response

* CR includes one HIV-negative patient who achieved a cCR.

† Calculated as date of first documented response to date of first documented disease progression, receipt of new treatment or second course of treatment, or death due to any cause, whichever occurs first. Median estimate is from Kaplan-Meier analysis.

‡ From Kaplan-Meier analysis.

15 REFERENCES

1. OSHA Hazardous Drugs. OSHA. <http://www.osha.gov/SLTC/hazardousdrugs/index.html>

16 HOW SUPPLIED/STORAGE AND HANDLING

Dark blue opaque cap and yellow opaque body, imprinted "POML" on the cap in white ink and "1 mg" on the body in black ink

1 mg bottles of 21 (NDC 59572-501-21)

1 mg bottles of 100 (NDC 59572-501-00)

Dark blue opaque cap and orange opaque body, imprinted "POML" on the cap and "2 mg" on the body in white ink

2 mg bottles of 21 (NDC 59572-502-21)

2 mg bottles of 100 (NDC 59572-502-00)

Dark blue opaque cap and green opaque body, imprinted "POML" on the cap and "3 mg" on the body in white ink

3 mg bottles of 21 (NDC 59572-503-21)

3 mg bottles of 100 (NDC 59572-503-00)

Dark blue opaque cap and blue opaque body, imprinted "POML" on the cap and "4 mg" on the body in white ink

4 mg bottles of 21 (NDC 59572-504-21)

4 mg bottles of 100 (NDC 59572-504-00)

Store at 20°C-25°C (68°F-77°F); excursions permitted to 15°C-30°C (59°F-86°F) [see USP Controlled Room Temperature].

Care should be exercised in handling of POMALYST. Do not open or crush POMALYST capsules. If powder from POMALYST contacts the skin, wash the skin immediately and thoroughly with soap and water. If POMALYST contacts the mucous membranes, flush thoroughly with water.

Follow procedures for proper handling and disposal of hazardous drugs. ¹

17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labeling (Medication Guide).

Embryo-Fetal Toxicity

Advise patients that POMALYST is contraindicated in pregnancy [see *Contraindications (4)*].

POMALYST is a thalidomide analogue and may cause serious birth defects or death to a developing baby [see *Warnings and Precautions (5.1)* and *Use in Specific Populations (8.1)*].

- Advise females of reproductive potential that they must avoid pregnancy while taking POMALYST and for at least 4 weeks after completing therapy.
- Initiate POMALYST treatment in females of reproductive potential only following a negative pregnancy test.
- Advise females of reproductive potential of the importance of monthly pregnancy tests and the need to use 2 different forms of contraception, including at least 1 highly effective form, simultaneously during POMALYST therapy, during dose interruptions, and for 4 weeks after she has completely finished taking POMALYST. Highly effective forms of contraception other than tubal ligation include IUD and hormonal (birth control pills, injections, patch, or implants) and a partner's vasectomy. Additional effective contraceptive methods include latex or synthetic condom, diaphragm, and cervical cap.
- Instruct patient to immediately stop taking POMALYST and contact her healthcare provider if she becomes pregnant while taking this drug, if she misses her menstrual period or experiences unusual menstrual bleeding, if she stops taking birth control, or if she thinks FOR ANY REASON that she may be pregnant.
- Advise patient that if her healthcare provider is not available, she should call Celgene Customer Care Center at 1-888-423-5436 [see *Warnings and Precautions (5.1)* and *Use in Specific Populations (8.3)*].
- Advise males to always use a latex or synthetic condom during any sexual contact with females of reproductive potential while taking POMALYST and for up to 4 weeks after discontinuing POMALYST, even if they have undergone a successful vasectomy.
- Advise male patients taking POMALYST that they must not donate sperm [see *Warnings and Precautions (5.1)* and *Use in Specific Populations (8.3)*].
- All patients must be instructed to not donate blood while taking POMALYST and for 4 weeks following discontinuation of POMALYST [see *Warnings and Precautions (5.1)*].

POMALYST REMS Program

Because of the risk of embryo-fetal toxicity, POMALYST is only available through a restricted program called POMALYST REMS [see *Warnings and Precautions (5.2)*].

- Patients must sign a Patient-Physician Agreement Form and comply with the requirements to receive POMALYST. In particular, females of reproductive potential must comply with the pregnancy testing, contraception requirements, and participate in monthly telephone surveys. Males must comply with the contraception requirements [see *Use in Specific Populations (8.3)*].
- POMALYST is available only from pharmacies that are certified in POMALYST REMS program. Provide patients with the telephone number and website for information on how to obtain the product.

Pregnancy Exposure Registry

Inform females that there is a Pregnancy Exposure Registry that monitors pregnancy outcomes in females exposed to POMALYST during pregnancy and that they can contact the Pregnancy Exposure Registry by calling 1-888-423-5436 [see *Use in Specific Populations* (8.1)].

Venous and Arterial Thromboembolism

Inform patients of the risk of developing DVT, PE, MI, and stroke and to report immediately any signs and symptoms suggestive of these events for evaluation [see *Warnings and Precautions* (5.3)].

Hematologic Toxicities

Inform patients on the risks of developing neutropenia, thrombocytopenia, and anemia and the need to report signs and symptoms associated with these events to their healthcare provider for further evaluation [see *Warnings and Precautions* (5.5)].

Hepatotoxicity

Inform patients on the risks of developing hepatotoxicity, including hepatic failure and death, and to report signs and symptoms associated with these events to their healthcare provider for evaluation [see *Warnings and Precautions* (5.6)].

Severe Cutaneous Reactions

Inform patients of the potential risk for severe skin reactions such as SJS, TEN and DRESS and to report any signs and symptoms associated with these reactions to their healthcare provider for evaluation [see *Warnings and Precautions* (5.7)].

Dizziness and Confusional State

Inform patients of the potential risk of dizziness and confusional state with the drug, to avoid situations where dizziness or confusional state may be a problem, and not to take other medications that may cause dizziness or confusional state without adequate medical advice [see *Warnings and Precautions* (5.8)].

Neuropathy

Inform patients of the risk of neuropathy and to report the signs and symptoms associated with these events to their healthcare provider for further evaluation [see *Warnings and Precautions* (5.9)].

Second Primary Malignancies

Inform the patient that the potential risk of developing acute myelogenous leukemia during treatment with POMALYST is unknown [see *Warnings and Precautions* (5.10)].

Tumor Lysis Syndrome

Inform patients of the potential risk of tumor lysis syndrome and to report any signs and symptoms associated with this event to their healthcare provider for evaluation [see *Warnings and Precautions* (5.11)].

Hypersensitivity

Inform patients of the potential for severe hypersensitivity reactions such as angioedema and anaphylaxis to POMALYST. Instruct patients to contact their healthcare provider right away for any signs and symptoms of these reactions. Advise patients to seek emergency medical attention for signs or symptoms of severe hypersensitivity reactions [see *Warnings and Precautions* (5.12)].

Smoking Tobacco

Advise patients that smoking tobacco may reduce the efficacy of POMALYST [see *Use in Specific Populations* (8.8) and *Clinical Pharmacology* (12.3)].

Dosing Instructions

Inform patients on how to take POMALYST [see Dosage and Administration (2.2, 2.3, 2.9)]

- POMALYST should be taken once daily at about the same time each day.
- Patients on hemodialysis should take POMALYST following hemodialysis, on hemodialysis days.
- POMALYST may be taken with or without food.
- The capsules should not be opened, broken, or chewed. POMALYST should be swallowed whole with water.
- Instruct patients that if they miss a dose of POMALYST, they may still take it up to 12 hours after the time they would normally take it. If more than 12 hours have elapsed, they should be instructed to skip the dose for that day. The next day, they should take POMALYST at the usual time. Warn patients not to take 2 doses to make up for the one that they missed.

Manufactured for: Celgene Corporation
86 Morris Avenue
Summit, NJ 07901

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Pat. <http://www.celgene.com/therapies>

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POMPI.011/MG.011

MEDICATION GUIDE
POMALYST® (POM-uh-list)
(pomalidomide)
capsules

What is the most important information I should know about POMALYST?

Before you begin taking POMALYST, you must read and agree to all of the instructions in the POMALYST REMS® program. Before prescribing POMALYST, your healthcare provider will explain the POMALYST REMS program to you and have you sign the Patient-Physician Agreement Form.

POMALYST can cause serious side effects including:

- **Possible birth defects (deformed babies) or death of an unborn baby.** Females who are pregnant or who plan to become pregnant must not take POMALYST.
POMALYST is similar to the medicine thalidomide (THALOMID). We know thalidomide can cause severe life-threatening birth defects. POMALYST has not been tested in pregnant females. POMALYST has harmed unborn animals in animal testing.

Females must not get pregnant:

- For at least 4 weeks before starting POMALYST
- While taking POMALYST
- During any breaks (interruptions) in your treatment with POMALYST
- For at least 4 weeks after stopping POMALYST

Females who can become pregnant:

- Will have pregnancy tests weekly for 4 weeks, then every 4 weeks if your menstrual cycle is regular, or every 2 weeks if your menstrual cycle is irregular.
If you miss your period or have unusual bleeding, you will need to have a pregnancy test and receive counseling.
- Must agree to use two acceptable forms of birth control at the same time, for at least 4 weeks before, while taking, during any breaks (interruptions) in your treatment, and for at least 4 weeks after stopping POMALYST.
- Talk with your healthcare provider to find out about options for acceptable forms of birth control that you may use to prevent pregnancy before, during, and after treatment with POMALYST.

If you become pregnant while taking POMALYST, stop taking it right away and call your

healthcare provider. If your healthcare provider is not available, you can call Celgene Customer Care Center at 1-888-423-5436.

Healthcare providers and patients should report all cases of pregnancy to:

- FDA MedWatch at 1-800-FDA-1088, and
- Celgene Corporation at 1-888-423-5436

There is a pregnancy exposure registry that monitors the outcomes of females who take POMALYST during pregnancy, or if their male partner takes POMALYST and they are exposed during pregnancy. You can enroll in this registry by calling Celgene Corporation at the phone number listed above.

POMALYST can pass into human semen:

- Males, including those who have had a vasectomy, must always use a latex or synthetic condom during any sexual contact with a pregnant female or a female that can become pregnant while taking POMALYST, during any breaks (interruptions) in your treatment with POMALYST, and for 4 weeks after stopping POMALYST.
- Do not have unprotected sexual contact with a female who is or could become pregnant. Tell your healthcare provider if you do have unprotected sexual contact with a female who is or could become pregnant.
- Do not donate sperm while taking POMALYST, during any breaks (interruptions) in your treatment, and for 4 weeks after stopping POMALYST. If a female becomes pregnant with your sperm, the baby may be exposed to POMALYST and may be born with birth defects.

Men, if your female partner becomes pregnant, you should call your healthcare provider right away.

- **Blood clots in your arteries, veins, and lungs, heart attack, and stroke can happen if you take POMALYST.** Most people who take POMALYST will also take a blood thinner medicine to help prevent blood clots.

Before taking POMALYST, tell your healthcare provider:

- If you have had a blood clot in the past
- If you have high blood pressure, smoke, or if you have been told you have a high level of fat in your blood (hyperlipidemia)
- About all the medicines you take. Certain other medicines can also increase your risk for blood clots

Call your healthcare provider or get medical help right away if you get any of the following during treatment with POMALYST:

- **Signs or symptoms of a blood clot in the lung, arm, or leg may include:** shortness of breath, chest pain, or arm or leg swelling
- **Signs or symptoms of a heart attack may include:** chest pain that may spread to the arms, neck, jaw, back, or stomach area (abdomen), feeling sweaty, shortness of breath, feeling sick or vomiting
- **Signs or symptoms of stroke may include:** sudden numbness or weakness, especially on one side of the body, severe headache or confusion, or problems with vision, speech, or balance.

What is POMALYST?

POMALYST is a prescription medicine used to treat adults with:

- **Multiple myeloma.** POMALYST is taken along with the medicine dexamethasone, in people who:
 - have received at least 2 prior medicines to treat multiple myeloma, including a type of medicine known as a proteasome inhibitor and lenalidomide, and
 - their disease has become worse during treatment or within 60 days of finishing the last treatment
- **AIDS-related Kaposi sarcoma (KS).** POMALYST is taken when highly active antiretroviral therapy (HAART) has not worked well enough or stopped working (failed)
- **KS who do not have HIV infection (HIV negative).**

It is not known if POMALYST is safe and effective in children.

Who should not take POMALYST?

Do not take POMALYST if you:

- are pregnant, plan to become pregnant, or become pregnant during treatment with POMALYST. **See "What is the most important information I should know about POMALYST?"**
- are allergic to pomalidomide or any of the ingredients in POMALYST. **See the end of this Medication Guide for a complete list of ingredients in POMALYST.**

What should I tell my healthcare provider before taking POMALYST?

Before you take POMALYST, tell your healthcare provider if you:

- smoke cigarettes. POMALYST may not work as well in people who smoke
- have liver problems
- have kidney problems and are receiving hemodialysis treatment
- have any other medical conditions
- are breastfeeding. **You should not** breastfeed during treatment with POMALYST. It is not known if POMALYST passes into your breast milk and can harm your baby.

Tell your healthcare provider about all the medicines you take, including prescription and over-the-counter medicines, vitamins, and herbal supplements. POMALYST and other medicines may affect each other, causing serious side effects. Talk with your healthcare provider before taking any new medicines.

Know the medicines you take. Keep a list of them to show your healthcare provider and pharmacist.

How should I take POMALYST?

- Take POMALYST exactly as prescribed and follow all the instructions of the POMALYST REMS program.
- Swallow POMALYST capsules whole with water 1 time a day. **Do not break, chew, or open your capsules.**
- **POMALYST may be taken with or without food.**
- Take POMALYST at about the same time each day.
- If you are on hemodialysis, take POMALYST after hemodialysis, on hemodialysis days.
- Do not open the POMALYST capsules or handle them any more than needed. If you touch a broken POMALYST capsule or the medicine in the capsule, wash the area of your body right away with soap and water.
- If you miss a dose of POMALYST and it has been less than 12 hours since your regular time, take it as soon as you remember. If it has been more than 12 hours, just skip your missed dose. Do not take 2 doses at the same time.
- If you take too much POMALYST, call your healthcare provider right away.

What should I avoid while taking POMALYST?

- See "What is the most important information I should know about POMALYST?"
- **Females: Do not get pregnant and do not breastfeed while taking POMALYST.**
- **Males: Do not donate sperm.**
- **Do not share POMALYST with other people.** It may cause birth defects and other serious problems.
- **Do not donate blood** while you take POMALYST, during any breaks (interruptions) in your treatment, and for 4 weeks after stopping POMALYST. If someone who is pregnant gets your donated blood, her baby may be exposed to POMALYST and may be born with birth defects.
- POMALYST can cause dizziness and confusion. Avoid taking other medicines that may cause dizziness and confusion during treatment with POMALYST. Avoid situations that require you to be alert until you know how POMALYST affects you.

What are the possible side effects of POMALYST?

POMALYST can cause serious side effects, including:

- See "What is the most important information I should know about POMALYST?"
- **Low white blood cells (neutropenia), low platelets (thrombocytopenia), and low red blood cells (anemia) are common with POMALYST, but can also be serious.** You may need a blood transfusion or certain medicines if your blood counts drop too low. Your blood counts should be checked weekly for the first 8 weeks of treatment and monthly after that.
- **Severe liver problems, including liver failure and death.** Your healthcare provider should do blood tests to check your liver function during your treatment with POMALYST. Tell your healthcare provider right away if you develop any of the following symptoms of liver problems:
 - Yellowing of your skin or the white part of your eyes (jaundice)
 - Dark or brown (tea-colored) urine
 - Pain on the upper right side of your stomach area (abdomen)
 - Bleeding or bruising more easily than normal
 - Feeling very tired
- **Severe allergic reactions and severe skin reactions** can happen with POMALYST and may cause death.

Call your healthcare provider if you develop any of the following signs or symptoms during treatment with POMALYST:

- a red, itchy, skin rash
- peeling of your skin or blisters
- severe itching
- fever

Get emergency medical help right away if you develop any of the following signs or symptoms during treatment with POMALYST:

- swelling of your lips, mouth, tongue, or throat
 - trouble breathing or swallowing
 - raised red areas on your skin (hives)
 - a very fast heartbeat
 - you feel dizzy or faint
- **Dizziness and confusion.** See "What should I avoid while taking POMALYST?"
 - **Nerve damage.** Stop taking POMALYST and call your healthcare provider if you develop symptoms of nerve damage including: numbness, tingling, pain, burning sensation in your hands, legs, or feet.
 - **Risk of new cancers (malignancies).** New cancers, including certain blood cancers (acute myelogenous leukemia or AML) have been seen in people who received POMALYST. Talk with your healthcare provider about your risk of developing new cancers if you take POMALYST.
 - **Tumor lysis syndrome (TLS).** TLS is caused by the fast breakdown of cancer cells. TLS can cause kidney failure and the need for dialysis treatment, abnormal heart rhythm, seizure, and sometimes death. Your healthcare provider may do blood tests to check you for TLS.

Your healthcare provider may tell you to stop taking POMALYST if you develop certain serious side effects during treatment.

The most common side effects of POMALYST in people with Multiple Myeloma include:

- tiredness and weakness
- constipation
- nausea
- diarrhea
- shortness of breath
- upper respiratory tract infection
- back pain
- fever

The most common side effects of POMALYST in people with KS include:

- tiredness
- diarrhea
- abnormal kidney function tests
- decreased phosphate and calcium in the blood
- rash. See "**Severe allergic reactions and severe skin reactions**" above.
- nausea
- constipation
- increased blood sugar
- decreased albumin in the blood

These are not all the possible side effects of POMALYST.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

How should I store POMALYST?

- Store POMALYST at room temperature between 68°F to 77°F (20°C to 25°C).
- Return any unused POMALYST to Celgene or your healthcare provider.

Keep POMALYST and all medicines out of the reach of children.

General information about the safe and effective use of POMALYST.

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not take POMALYST for conditions for which it was not prescribed. Do not give POMALYST to other people, even if they have the same symptoms you have. It may harm them and may cause birth defects. If you would like more information, talk with your healthcare provider. You can ask your healthcare provider or pharmacist for information about POMALYST that is written for health professionals. For more information, call 1-888-423-5436 or go to www.CelgeneRiskManagement.com.

What are the ingredients in POMALYST?

Active ingredient: pomalidomide

Inactive ingredients: mannitol, pregelatinized starch, and sodium stearyl fumarate.

The 1-mg capsule shell contains gelatin, titanium dioxide, FD&C blue 2, yellow iron oxide, white ink, and black ink.

The 2-mg capsule shell contains gelatin, titanium dioxide, FD&C blue 2, yellow iron oxide, FD&C red 3, and white ink.

The 3-mg capsule shell contains gelatin, titanium dioxide, FD&C blue 2, yellow iron oxide, and white ink.

The 4-mg capsule shell contains gelatin, titanium dioxide, FD&C blue 1, FD&C blue 2, and white ink.

Manufactured for: Celgene Corporation, Summit, NJ 07901

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POMMG.011 05/2020


This Medication Guide has been approved by the U.S. Food and Drug Administration.

Revised: May 2020

Pomalyst® (pomalidomide) Capsules, 1 mg - 21 Count Bottle Label

05/15 BT50121.003

NDC 59572-501-21



Pomalyst[®]
(pomalidomide) capsules

1 mg



WARNING: POTENTIAL FOR HUMAN
BIRTH DEFECTS.

Rx only 21 Capsules

Store at 20°C - 25°C (68°F - 77°F);
excursions permitted to 15°C - 30°C
(59°F - 86°F).
[See USP Controlled Room Temperature].

Manufactured for
Celgene Corporation
86 Morris Avenue
Summit, NJ 07901

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MADE IN SWITZERLAND
See prescribing information for
dosing and administration.
Dispense with Medication Guide.





3 59572 50121 8

Pomalyst[®] (pomalidomide) Capsules, 1 mg - 100 Count Bottle Label

05/15 BT50100.003

NDC 59572-501-00



Pomalyst[®]
(pomalidomide) capsules

1 mg



WARNING: POTENTIAL FOR HUMAN
BIRTH DEFECTS.

Rx only 100 Capsules

Store at 20°C - 25°C (68°F - 77°F);
excursions permitted to 15°C - 30°C
(59°F - 86°F).
[See USP Controlled Room Temperature].

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3 59572 50100 3

Pomalyst[®] (pomalidomide) Capsules, 2 mg - 21 Count Bottle Label

05/15 BT50221.003

NDC 59572-502-21



Pomalyst[®]
(pomalidomide) capsules


2 mg

WARNING: POTENTIAL FOR HUMAN
BIRTH DEFECTS.


Rx only 21 Capsules

Store at 20°C - 25°C (68°F - 77°F);
excursions permitted to 15°C - 30°C
(59°F - 86°F).
[See USP Controlled Room Temperature].

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3 59572 50221 5

Pomalyst[®] (pomalidomide) Capsules, 2 mg - 100 Count Bottle Label

05/15 BT50200.003

NDC 59572-502-00



Pomalyst[®]
(pomalidomide) capsules


2 mg

WARNING: POTENTIAL FOR HUMAN
BIRTH DEFECTS.


Rx only 100 Capsules

Store at 20°C - 25°C (68°F - 77°F);
excursions permitted to 15°C - 30°C
(59°F - 86°F).
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3 59572 50200 0

Pomalyst[®] (pomalidomide) Capsules, 3 mg - 21 Count Bottle Label

05/15 BT50321.003

NDC 59572-503-21



Pomalyst[®]
(pomalidomide) capsules


3 mg

WARNING: POTENTIAL FOR HUMAN
BIRTH DEFECTS.

Rx only 21 Capsules

Store at 20°C - 25°C (68°F - 77°F);
excursions permitted to 15°C - 30°C
(59°F - 86°F).
[See USP Controlled Room Temperature].


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3 59572 50321 2

Pomalyst[®] (pomalidomide) Capsules, 3 mg - 100 Count Bottle Label

05/15 BT50300.003

NDC 59572-503-00



Pomalyst[®]
(pomalidomide) capsules


3 mg

WARNING: POTENTIAL FOR HUMAN
BIRTH DEFECTS.

Rx only 100 Capsules

Store at 20°C - 25°C (68°F - 77°F);
excursions permitted to 15°C - 30°C
(59°F - 86°F).
[See USP Controlled Room Temperature].

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3 59572 50300 7

Pomalyst[®] (pomalidomide) Capsules, 4 mg - 21 Count Bottle Label

05/15 BT50421.003

NDC 59572-504-21



Pomalyst[®]
(pomalidomide) capsules

4 mg

WARNING: POTENTIAL FOR HUMAN
BIRTH DEFECTS.

Rx only 21 Capsules


Store at 20°C - 25°C (68°F - 77°F);
excursions permitted to 15°C - 30°C
(59°F - 86°F).
[See USP Controlled Room Temperature].

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Pomalyst[®] (pomalidomide) Capsules, 4 mg - 100 Count Bottle Label

05/15 BT50400.003

NDC 59572-504-00



Pomalyst[®]
(pomalidomide) capsules

4 mg

WARNING: POTENTIAL FOR HUMAN
BIRTH DEFECTS.

Rx only 100 Capsules

Store at 20°C - 25°C (68°F - 77°F);
excursions permitted to 15°C - 30°C
(59°F - 86°F).
[See USP Controlled Room Temperature].


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Dispense with Medication Guide.



POMALYST

pomalidomide capsule

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:59572-501
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name		Basis of Strength	Strength	
POMALIDOMIDE (UNII: D2UX06XLB5) (POMALIDOMIDE - UNII:D2UX06XLB5)		POMALIDOMIDE	1 mg	
Inactive Ingredients				
Ingredient Name			Strength	
MANNITOL (UNII: 3OWL53L36A)				
STARCH, CORN (UNII: O8232NY3SJ)				
SODIUM STEARYL FUMARATE (UNII: 7CV7WJK4UI)				
Product Characteristics				
Color	YELLOW, BLUE	Score	no score	
Shape	CAPSULE	Size	14mm	
Flavor		Imprint Code	POML;1;mg	
Contains				
Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:59572-501-21	21 in 1 BOTTLE; Type 0: Not a Combination Product	02/18/2013	
2	NDC:59572-501-00	100 in 1 BOTTLE; Type 0: Not a Combination Product	02/18/2013	
Marketing Information				
Marketing Category	Application Number or Monograph Citation		Marketing Start Date	Marketing End Date
NDA	NDA204026		02/18/2013	

POMALYST			
pomalidomide capsule			
Product Information			
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:59572-502
Route of Administration	ORAL		
Active Ingredient/Active Moiety			
Ingredient Name		Basis of Strength	Strength
PO MALIDOMIDE (UNII: D2UX06 XLB5) (POMALIDOMIDE - UNII:D2UX06 XLB5)		POMALIDOMIDE	2 mg
Inactive Ingredients			
Ingredient Name			Strength
MANNITOL (UNII: 3OWL53L36A)			
STARCH, CORN (UNII: O8232NY3SJ)			

SODIUM STEARYL FUMARATE (UNII: 7CV7WJK4UI)

Product Characteristics

Color	ORANGE, BLUE	Score	no score
Shape	CAPSULE	Size	18 mm
Flavor		Imprint Code	POML;2;mg
Contains			

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:59572-502-21	21 in 1 BOTTLE; Type 0: Not a Combination Product	02/18/2013	
2	NDC:59572-502-00	100 in 1 BOTTLE; Type 0: Not a Combination Product	02/18/2013	

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA204026	02/18/2013	

POMALYST

pomalidomide capsule

Product Information			
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:59572-503
Route of Administration	ORAL		
Active Ingredient/Active Moiety			
Ingredient Name		Basis of Strength	Strength
PO MALIDOMIDE (UNII: D2UX06XLB5) (POMALIDOMIDE - UNII:D2UX06XLB5)		POMALIDOMIDE	3 mg
Inactive Ingredients			
Ingredient Name			Strength
MANNITOL (UNII: 3OWL53L36A)			
STARCH, CORN (UNII: O8232NY3SJ)			
SODIUM STEARYL FUMARATE (UNII: 7CV7WJK4UI)			
Product Characteristics			
Color	GREEN, BLUE	Score	no score
Shape	CAPSULE	Size	18 mm
Flavor		Imprint Code	POML;3;mg
Contains			

Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:59572-503-21	21 in 1 BOTTLE; Type 0: Not a Combination Product	02/18/2013	
2	NDC:59572-503-00	100 in 1 BOTTLE; Type 0: Not a Combination Product	02/18/2013	

Marketing Information			
Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA204026	02/18/2013	

POMALYST

pomalidomide capsule

Product Information			
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:59572-504
Route of Administration	ORAL		

Active Ingredient/Active Moiety		
Ingredient Name		Strength
POMALIDOMIDE (UNII: D2UX06XLB5) (POMALIDOMIDE - UNII:D2UX06XLB5)		POMALIDOMIDE 4 mg

Inactive Ingredients	
Ingredient Name	Strength
MANNITOL (UNII: 3OWL53L36A)	
STARCH, CORN (UNII: O8232NY3SJ)	
SODIUM STEARYL FUMARATE (UNII: 7CV7WJK4UI)	

Product Characteristics			
Color	BLUE	Score	no score
Shape	CAPSULE	Size	18mm
Flavor		Imprint Code	POML;4;mg
Contains			

Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:59572-504-21	21 in 1 BOTTLE; Type 0: Not a Combination Product	02/18/2013	
2	NDC:59572-504-00	100 in 1 BOTTLE; Type 0: Not a Combination Product	02/18/2013	

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA204026	02/18/2013	

Labeler - Celgene Corporation (174201137)

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